

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
MARINE FISHERIES BRANCH

FISH BULLETIN No. 95

The Commercial Fish Catch of California

For the Year 1952

with

Proportion of King and Silver Salmon in
California's 1952 Landings

By the Staff of the
MARINE FISHERIES BRANCH



1954

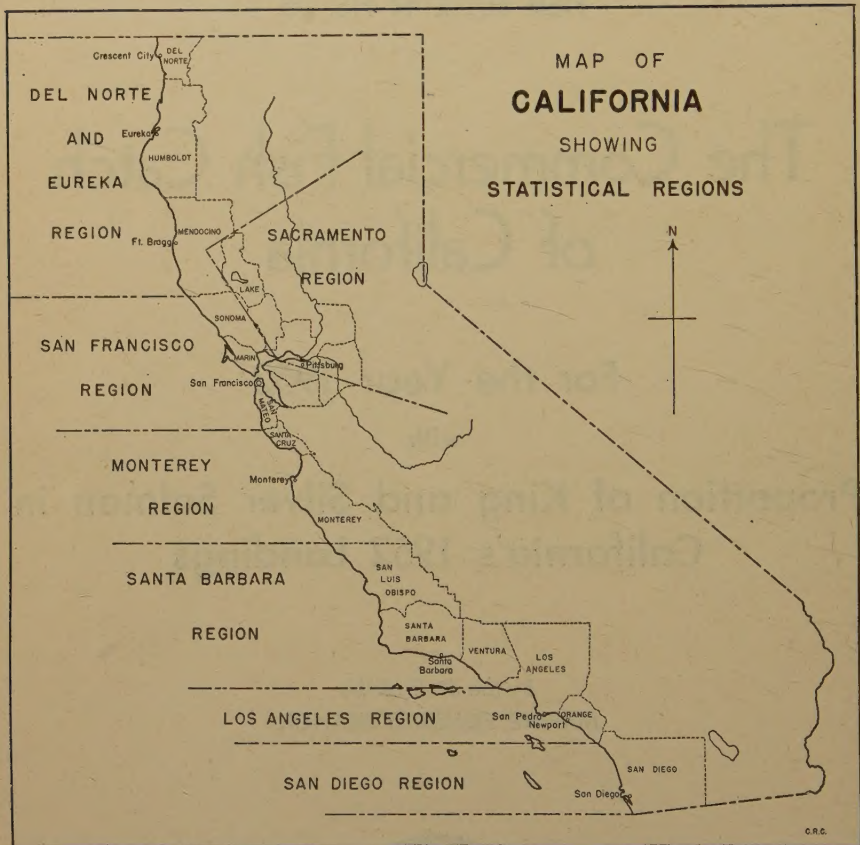


FIGURE 1

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FOREWORD

It has been the purpose of the Catch Bulletins to present consistent tables of the commercial fish landings in California continuously from year to year. This bulletin is the fifteenth in the series which carries the historic record of the fisheries from 1926 through 1952. There is included in text and tables relevant information on such subjects as the marine sport catch, the live bait fishery and the census of the fleet and fishermen.

Credit for the collection of an increasingly improved record goes to the staff of the Wildlife Protection Branch and the Marine Fisheries representatives in the field offices. The compilation of material and publication of the bulletin is the responsibility of the staff of the statistical unit at the laboratory of the Marine Fisheries Branch at Terminal Island.

September, 1953

PROPORTION OF KING AND SILVER SALMON IN CALIFORNIA'S 1952 LANDINGS¹

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SPECIES PRESENT IN THE CALIFORNIA CATCH

For all practical purposes the California salmon catch is composed of only two species. The king salmon, *Oncorhynchus tshawytscha*, usually comprises about 90 percent of the State's catch and 100 percent of the commercial river catch. The silver salmon, *Oncorhynchus kisutch*, makes up the remainder. In California a specimen of one of the other species of Pacific salmon is usually regarded as a mild curiosity.

The two California salmon are similar in appearance to anyone who is not thoroughly familiar with them, but they are quite different in habits and present radically different management problems. Some examples of these differences are given below:

California rivers produce the great bulk of the king salmon landed here, while Oregon streams produce most of the silvers landed in California. King salmon prefer larger rivers and are exceedingly abundant in the Sacramento-San Joaquin River system. Silver salmon prefer the smaller coastal streams, and it is rare for even a stray to be taken in the Sacramento-San Joaquin River system. The majority of California king salmon migrate to the ocean within a few months after they are hatched. All silver salmon stay in a stream until they are more than a year old. Most king salmon mature at four years; many at three years and many at five years; a few at two and six years of age. Silver salmon have a much less variable life history. In California practically all mature at three years except a few precocious males which spawn a year earlier. King salmon of the Sacramento River will average about 20 pounds at maturity and 40-pounders are not uncommon. Silver salmon will average 7 to 12 pounds at maturity and anything over 15 pounds is uncommon.

SEPARATION OF SPECIES BY DEALERS

Legally each fish buyer is required to make a receipt for all fish purchased from the fishermen. This receipt must show, among other things, the pounds and price of each species delivered. The separation of salmon into the two species is, unfortunately, not at all trustworthy. It varies in reliability from dealer to dealer, port to port, and month to month. One reason for this is that the fish buyer is frequently a hurried and harried man. Salmon boats often arrive en masse and all of them want to be unloaded as quickly as possible. Market prices may force the dealer to separate the catch into silver salmon, small kings, medium kings, and large kings. There may be one or two "shorts" (salmon

¹ Submitted for publication September, 1953.

below the legal size limit) which the dealer cannot legally purchase. Occasionally the job may be complicated still further by the presence of a halibut, lingcod, or rockfish in the catch, or by fish in such poor condition that the dealer will not accept them at the full market price. All of this has to be resolved in a very few minutes, and the temptation to simplify the paper work is understandable even though it is exasperating to people who need reliable statistics. Early in the season, when silvers are relatively scarce, many buyers will pay for them as small kings rather than weigh them out separately. If the market price for the two species is the same, the chances of the buyer weighing them separately are still further reduced. If the catch in an area is running over 90 percent kings, it will be classified as "salmon" without any prefix. It is not unusual for a month's catch receipts for a port to list perhaps 5,000 pounds of silvers, 5,000 pounds of kings, and 300,000 pounds of "salmon" (unclassified). It would be easy to assume from such figures that the unclassified salmon would be half silvers and half kings, but actually it would be more apt to be 95 to 99 percent kings.

In general, the greater the proportion of silver salmon being landed, the more reliable are the buyers' receipts. In Crescent City the proportion of silvers often exceeds 50 percent for extended periods, and the dealers do a reasonably good job of separation. Further south the proportion of silvers and the reliability of species separation decreases.

Until the buyers can be induced to fill out their individual receipts with more reliability, it will probably continue to be necessary for the statistical unit to publish only the combined landings of both species.

Notwithstanding the above difficulties, it has been necessary for the biological staff of the Marine Fisheries Branch to obtain a reasonably accurate idea of the amounts of king and silver salmon in the catches in various areas of the State. As power dams, irrigation canals, and pollution make inroads on the spawning area available to salmon, it becomes more and more necessary for the Pacific Coast states, Canada, and Alaska to manage their salmon supply as carefully as possible. As one phase of this management work, the three states have engaged in a large-scale salmon marking program in order to determine (among many other things) just what streams are producing the king and silver salmon landed in various ocean fisheries. This marking program has necessitated not only marking the small fish while they are still in fresh water, but carefully sampling the ocean catch at various ports from Central California to Alaska.

SALMON SAMPLING

The salmon sampler's job includes keeping detailed records of any marked or tagged fish recovered, obtaining length measurements and scales from part of the fish sampled, and recording the number and weight of king and silver salmon in all boat loads which were examined. From the proportion of kings and silvers in the samples, we have calculated the total pounds of each species, area by area and month by month. King and silver salmon poundages included in this article are all for the year 1952. Similar (though somewhat less complete) sampling was done in 1950 and 1951.

SEASONAL ABUNDANCE OF KING AND SILVER SALMON

Silver salmon are relatively short-lived fish with a life history which shows little variation. During their second year of life they are invariably far smaller than the 25-inch legal size limit; during their third year they are fished intensively for a few months; and at the end of that season, they spawn and die. When the commercial season opens on May 1st, only a small proportion of the silver salmon have reached 25 inches total length, but by mid-June, the majority are of legal size, and from that time until the close of the trolling season (September 30th) the silver salmon catch is made. In some seasons the fishermen do not seem to encounter any great number of silvers during May and early June. In other years they will encounter numbers of undersized fish which must, of course, be thrown back.

Figure 2 shows the growth of silver salmon during the fishing season. The data were accumulated from 974 fish taken by Fish and Game tagging crews during the periods 1939 to 1942 and 1948 to 1950. All suitable fish taken were tagged regardless of size; hence these measurements give a record of the small fish as well as of those of legal size. Note that 65 percent of the silvers taken in May were undersized. In June the undersized were down to 27 percent of the total, and for the remainder of the season only 9 to 13 percent were "shorts."

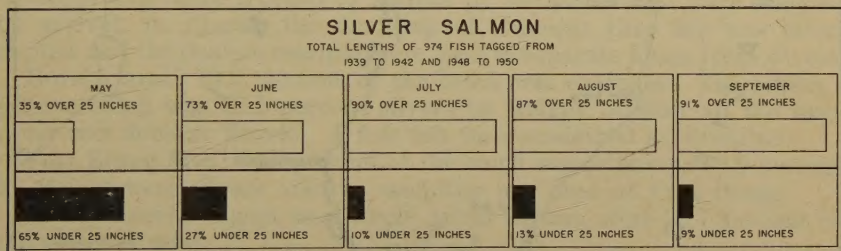


FIGURE 2. Proportion of legal sized and undersized silver salmon throughout the season. All marketable silver salmon are in their third year of life and are growing rapidly as the season progresses. Silvers in their second year are far below the 25-inch legal size limit, and almost no California silver salmon live to be more than three years old.

As a rule, the king salmon is of legal size for more than a year; hence there are some available to be taken every month the season is open. The fastest growing kings reach the 26-inch size limit while in their second year. The majority of those which are in their third year are legal, and almost all older fish are well above legal size.

ABUNDANCE BY AREA

Salmon are taken in numbers from Central California north to Alaska and south along the Asiatic Coast to Japan. California's salmon catch is almost all landed from Monterey north to Crescent City. The fishing boats make these catches from the vicinity of Monterey into southern Oregon. Some salmon are landed south of Monterey each season, but the poundages are always small. In 1952 these southern landings amounted to less than one-fifth of 1 percent of the State's total. Figure 3 shows the principal salmon landing ports of California.

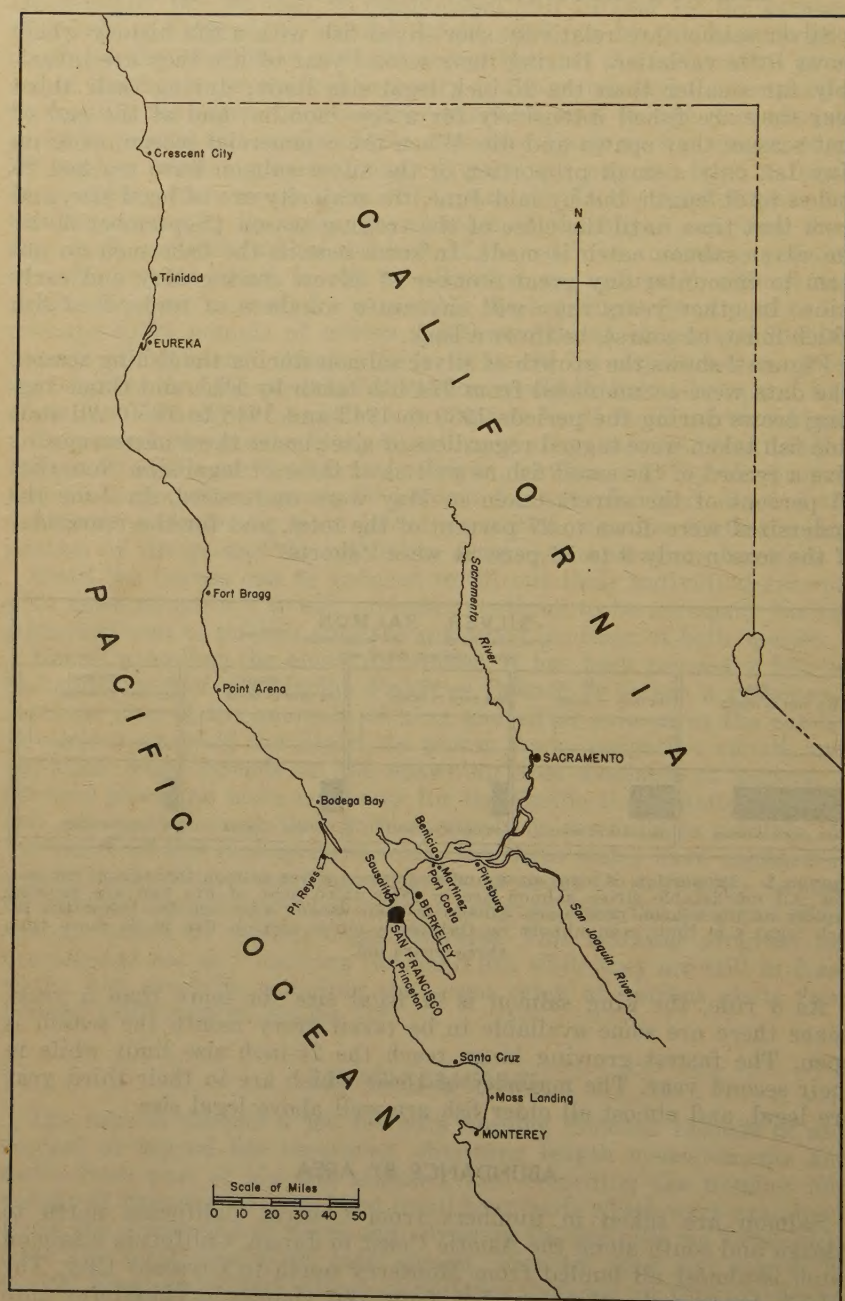


FIGURE 3. Salmon ports of California. This map shows only those ports which received more than 10,000 pounds of salmon during 1952.

On the West Coast of North America king salmon are taken in numbers from Monterey Bay to Alaska, and silver salmon are abundant from the extreme northern part of California north to Alaska. Crescent City is the only California port in which the catch of silver salmon habitually rivals that of kings. In 1952, the Crescent City catch was approximately 65 percent silvers by weight. The abundance of silvers steadily decreases to the south. In the San Francisco and Monterey areas these fish normally amount to less than 1 percent of the salmon catch.

Table 1 shows the 1952 catch of king and silver salmon by statistical regions. Since the variation in abundance of silvers within the Eureka Region is so great, Table 2 has been included to give a more detailed breakdown within this area. The Crescent City landings include only Crescent City, but those listed for Eureka include the nearby ports of Trinidad and Fields Landing. Fort Bragg catches include fish from Shelter Cove to Point Arena.

The sampling of the catches used in this study was done in the following places during the 1952 season:

Eureka Region

Crescent City area; 9.8 percent of the catch was examined. The season's catch was 64.6 percent silver salmon by weight. Sampling was done at Crescent City and at Eureka. Many loads of fish landed at Crescent City were trucked to Eureka by the dealer and were sampled on arrival. In August the sampling of Crescent City fish was interrupted and the dealers receipts were used to separate kings from silvers.

Eureka area; 13.5 percent of the catch was examined. The season's salmon catch was 22.1 percent silvers by weight. Almost all the sampling was done at Eureka. A few fish were examined at Trinidad.

Fort Bragg area; 16.3 percent of the catch was examined; 5.0 percent by weight were silvers. All the sampling was done at Fort Bragg.

In the Eureka region as a whole, silver salmon were 29.7 percent of the seasonal total.

San Francisco Region

11.7 percent of the catch was examined. Silver salmon were only 0.3 percent of the total. Most of the sampling was done at Point Reyes because over half of the region's salmon landings were delivered to this tiny port. Additional sampling was done at Princeton and at Bodega Bay. The port of San Francisco was avoided because landing points are so scattered that a sampler could intercept relatively few boat loads in a day. Only 14 percent of the region's salmon landings are delivered to the City of San Francisco.

Monterey Region and Southward

16.5 percent of the catch was examined. Only 0.1 percent were silvers. Sampling was done at Moss Landing which is the central one of the Monterey region's three salmon ports. The regions south of Monterey received such small catches that they were not sampled.

Small catches of salmon were made in the vicinity of Avila and Morro Bay. In addition, a few landings of salmon were made in Southern California by boats which made their catches off northern or central

TABLE 1
King and Silver Salmon Landed in California in 1952

		Jan. thru April	May	June	July	August	September	Oct. thru Dec.	Total
Eureka region	King		174,113	545,326	564,147	395,804	70,879		1,750,269 lbs.
	Silver		4,819	53,016	314,943	316,084	51,728		740,540 lbs.
	Total		178,932	598,342	879,090	711,838	122,607		2,490,809 lbs.
	Percent Silver		2.7	8.9	35.8	44.4	42.2		29.7
San Francisco region	King		343,999	810,809	911,666	291,776	570,464		2,928,714 lbs.
	Silver		0	1,625	1,827	1,172	4,021		8,645 lbs.
	Total		343,999	812,434	913,493	292,948	574,485		2,937,359 lbs.
	Percent Silver		0	0.2	0.2	0.4	0.7		0.3
Monterey region and south of Monterey	King		391,499	444,343	192,339	69,793	9,089		1,107,063 lbs.
	Silver		0	459	991	0	0		1,450 lbs.
	Total		391,499	444,802	193,330	69,793	9,089		1,108,513 lbs.
	Percent Silver		0	0.1	0.5	0	0		0.1
TOTAL OCEAN	King		909,611	1,800,478	1,668,152	757,373	650,432		5,786,046 lbs.
	Silver		4,819	55,100	317,761	317,206	55,749		750,635 lbs.
	Total		914,430	1,855,578	1,985,913	1,074,579	706,181		6,536,681 lbs.
	Percent Silver		0.5	3.0	16.0	29.5	7.9		11.5

Sacramento region (inland waters)	King-----	11,376	4,950	-----	-----	23,820	698,025	-----	738,171 lbs.
	Silver-----	0	0	-----	-----	0	0	-----	0 lbs.
	Total-----	11,376	4,950	-----	-----	23,820	698,025	-----	738,171 lbs.
	Percent Silver...	0	0	-----	-----	0	0	-----	0
STATE TOTAL	King-----	11,376	914,561	1,800,478	1,668,152	781,193	1,348,457	-----	6,524,217 lbs.
	Silver-----	0	4,819	55,100	317,761	317,206	55,749	-----	750,635 lbs.
	Total-----	11,376	919,380	1,855,578	1,985,913	1,098,399	1,404,206	-----	7,274,852 lbs.
	Percent Silver...	0	0.5	3.0	16.0	28.9	4.0	-----	10.3

TABLE 2
King and Silver Salmon Landings in the Eureka Region, 1952, by Local Areas

	May	June	July	August	September	Total
Crescent City area (includes Crescent City only)						
King-----	7,417	59,815	120,637	101,302	21,215	310,386 lbs.
Silver-----	222	4,295	244,946	273,892	43,465	566,820 lbs.
Total-----	7,639	64,110	365,583	375,194	64,680	877,206 lbs.
Percent Silver-----	2.9	6.7	67.0	73.0	67.2	64.6
Eureka area (includes Trinidad and Field's Landing)						
King-----	12,309	198,104	79,109	119,163	16,598	425,283 lbs.
Silver-----	180	38,297	45,081	35,594	1,443	120,565 lbs.
Total-----	12,459	236,401	124,190	154,757	18,041	545,848 lbs.
Percent Silver-----	1.2	16.2	36.3	23.0	8.0	22.1
Fort Bragg area (includes from Shelter Cove to Point Arena)						
King-----	154,387	287,407	364,401	175,339	33,066	1,014,600 lbs.
Silver-----	4,447	10,424	24,916	6,548	6,820	53,155 lbs.
Total-----	158,834	297,831	389,317	181,887	39,886	1,067,755 lbs.
Percent Silver-----	2.8	3.5	6.4	3.6	17.1	5.0
TOTAL-----						
King-----	174,113	545,326	564,147	395,804	70,879	1,750,269 lbs.
Silver-----	4,819	53,016	314,943	316,034	51,728	740,540 lbs.
Total-----	178,932	598,342	879,090	711,838	122,607	2,490,809 lbs.
Percent Silver-----	2.7	8.9	35.8	44.4	42.2	29.7

California and then went south to convert to albacore or other fishing. In the tables these catches were combined with those of the Monterey Region.

Sacramento Region

26.8 percent of the catch was examined. Only river-caught salmon are landed in this region. All the salmon are kings; hence there is no problem of species separation. Sampling (to determine the proportion of marked fish) was done during August and September, most of it at Pittsburg, some at Benicia, and a small amount at Martinez.

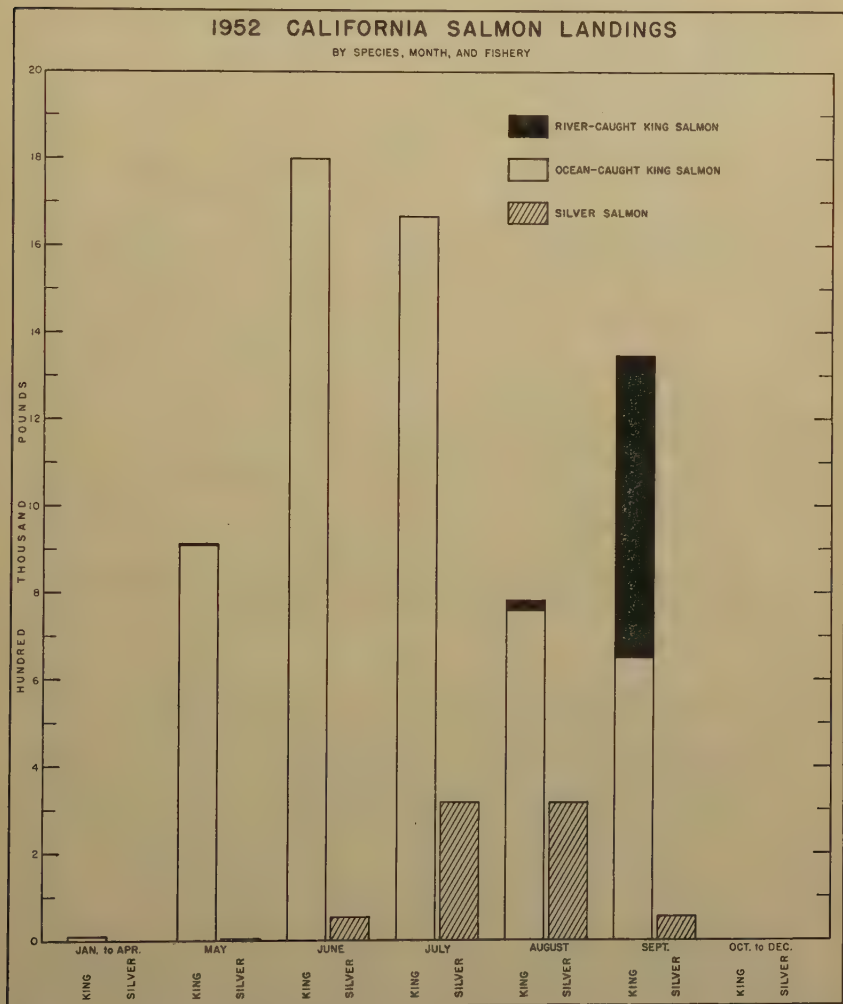


FIGURE 4. 1952 salmon landings by months, separated into ocean-caught kings, river-caught kings, and silvers. All California's commercially caught silver salmon are taken in the ocean. The ocean salmon season is open from May 1st through September 30th. The river season is open from January 1st through June 15th; from August 10th until sunrise September 26th; and from November 15th through December 31st. River fishing is prohibited from sunrise Saturday until sunset on the following Sunday.

The combined poundages of king and silver salmon shown in Tables 1 and 2 were taken from dealers' landing receipts as are practically all records of California commercial fish landings. The proportion of king and silver salmon was obtained from the samplers' records, and the catch of each species calculated by applying this proportion to the combined landings of species. Being obtained from samples, such calculations can be no better than good approximations. The poundages of kings and silvers given in the tables were carried to the nearest pound only to make the tables balance.

LIST OF COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS

Common name	Fishes	Scientific name
Anchovy -----		<i>Engraulis mordax</i>
Barracuda -----		<i>Sphyraena argentea</i>
Bonito -----		<i>Sarda lineolata</i>
Cabezon -----		<i>Scorpaenichthys marmoratus</i>
Cabrilla -----		<i>Epinephelus analogus</i>
Carp -----		<i>Cyprinus carpio</i>
Catfish		
White catfish -----		<i>Ictalurus catus</i>
Brown bullhead -----		<i>Ameiurus nebulosus</i>
Corvina, Mexican		
Gulf corvina -----		<i>Cynoscion othonopterus</i>
Orangemouth corvina -----		<i>Cynoscion xanthulus</i>
Flounder		
Starry flounder -----		<i>Platichthys stellatus</i>
Small amounts of other flatfishes		
Flyingfish -----		<i>Cypselurus californicus</i>
Grouper -----		Species of <i>Mycteroperca</i>
Hake -----		<i>Merluccius productus</i>
Halibut, California -----		<i>Paralichthys californicus</i>
Halibut, Pacific -----		<i>Hippoglossus stenolepis</i>
Hardhead		
Greaser blackfish -----		<i>Orthodon microlepidotus</i>
Hardhead -----		<i>Mylopharodon conocephalus</i>
Herring -----		<i>Clupea pallasii</i>
Kingfish		
White croaker -----		<i>Genyonemus lineatus</i>
Queenfish -----		<i>Seriophilus politus</i>
Lingcod -----		<i>Ophiodon elongatus</i>
Mackerel, jack -----		<i>Trachurus symmetricus</i>
Mackerel, Pacific -----		<i>Pneumatophorus diego</i>
Mullet -----		<i>Mugil cephalus</i>
Perch		
Blacksmith -----		<i>Chromis punctipinnis</i>
Halfmoon -----		<i>Medialuna californiensis</i>
Opaleye -----		<i>Girella nigricans</i>
Surfperch -----		Members of family Embiotocidae
Pompano, California -----		<i>Palometa simillima</i>
Rock bass		
Kelp bass -----		<i>Paralabrax clathratus</i>
Sand bass -----		<i>Paralabrax nebulifer</i>

LIST OF COMMON AND SCIENTIFIC NAMES OF FISHES,
CRUSTACEANS AND MOLLUSKS—Continued

Fishes—Continued

Common name	Scientific name
Rockfish -----	All species of <i>Sebastes</i> and <i>Sebastes</i>
Sablefish -----	<i>Anoplopoma fimbria</i>
Salmon	
King -----	<i>Oncorhynchus tshawytscha</i>
Silver -----	<i>Oncorhynchus kisutch</i>
Sanddab -----	<i>Citharichthys sordidus</i>
Small amounts of other species	
Sardine -----	<i>Sardinops caerulea</i>
Sculpin -----	<i>Scorpaena guttata</i>
Sea bass, black -----	<i>Stereolepis gigas</i>
Seabass, white -----	<i>Cynoscion nobilis</i>
Seatrout, greenling -----	<i>Hexagrammos decagrammus</i>
Shad -----	<i>Alosa sapidissima</i>
Shark	
Basking shark -----	<i>Cetorhinus maximus</i>
Bonito shark -----	<i>Isurus glaucus</i>
Dogfish -----	<i>Squalus acanthias</i>
Leopard shark -----	<i>Triakis semifasciata</i>
Soupfin -----	<i>Galeorhinus zyopterus</i>
Thresher -----	<i>Alopias vulpinus</i>
Varying amounts of other species	
Sheep-head -----	<i>Pimelometopon pulchrum</i>
Sierra -----	<i>Scomberomorus sierra</i>
Skate	
Big -----	<i>Raja binoculata</i>
California -----	<i>Raja inornata</i>
Longnose -----	<i>Raja rhina</i>
Smelt	
Grunion -----	<i>Leuresthes tenuis</i>
Jacksmelt -----	<i>Atherinopsis californiensis</i>
Surf smelt -----	<i>Hypomesus pretiosus</i>
Topsmelt -----	<i>Atherinops affinis</i>
Sole	
English -----	<i>Parophrys vetulus</i>
Dover -----	<i>Microstomus pacificus</i>
Petrale -----	<i>Eopsetta jordani</i>
Rex -----	<i>Glyptocephalus zachirus</i>
Varying amounts of other species	
Splittail -----	<i>Pogonichthys macrolepidotus</i>
Sucker -----	<i>Catostomus occidentalis</i>
Swordfish -----	<i>Xiphias gladius</i>
Tomcod -----	<i>Microgadus proximus</i>

LIST OF COMMON AND SCIENTIFIC NAMES OF FISHES,
CRUSTACEANS AND MOLLUSKS—Continued

Fishes—Continued

Common name	Scientific name
Tuna	
Albacore	<i>Thunnus germon</i>
Bigeye	<i>Parathunnus sibi</i>
Bluefin	<i>Thunnus saliens</i>
Skipjack	<i>Katsuwonus pelamis</i>
Yellowfin	<i>Neothunnus macropterus</i>
Turbot	
Curlfin	<i>Pleuronichthys decurrens</i>
Diamond	<i>Hypsopsetta guttulata</i>
Hornyhead	<i>Pleuronichthys verticalis</i>
Small amounts of other species	
Wahoo	<i>Acanthocybium solandri</i>
Whitebait	<i>Allosmerus elongatus</i>
	<i>Spirinchus starksi</i>
	Young of several other species
Whitefish, ocean	<i>Caulolatilus princeps</i>
Yellowtail	<i>Seriola dorsalis</i>

Crustaceans

Crab	<i>Cancer magister</i>
Crab, rock	Other species of <i>Cancer</i>
Lobster, spiny	<i>Panulirus interruptus</i>
Prawn	<i>Pandalus</i> sp.
Shrimp, bay	<i>Crago franciscorum</i>
	<i>Crago nigricauda</i>
	<i>Squilla</i> sp.
Shrimp, ocean	<i>Pandalus jordani</i>
	<i>Pandalus platyceros</i>

Mollusks

Abalone	
Pink	<i>Haliotis corrugata</i>
Red	<i>Haliotis rufescens</i>
Southern green	<i>Haliotis fulgens</i>
Clam	
Gaper	<i>Schizothaerus nuttalli</i>
Jackknife	<i>Tagelus californianus</i>
Japanese littleneck	<i>Tapes semidecussata</i>
Pismo	<i>Tivela stultorum</i>
Washington	<i>Saxidomus nuttalli</i>
Mussel	<i>Mytilus californianus</i>
	<i>Mytilus edulis</i>
Octopus	<i>Paroctopus apollyon</i>
Oyster	
Eastern	<i>Crassostrea virginica</i>
Pacific	<i>Crassostrea gigas</i>
Squid	<i>Loligo opalescens</i>

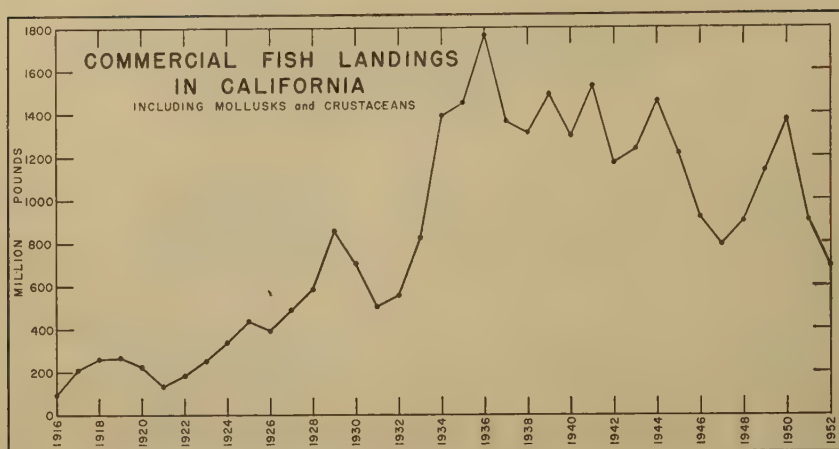


FIGURE 5. Total annual landings and shipments into California of commercial fish, mollusks and crustaceans. Includes sardine deliveries to reduction ships during 1930 through 1938. See Table 3.

TABLE 3

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks and Crustaceans
Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Pounds	Year	Pounds
1916.....	95,002,695	1936.....	1,764,900,136
1917.....	209,876,670	1937.....	1,362,983,717
1918.....	261,134,265	1938.....	1,310,595,651
1919.....	266,270,240	1939.....	1,486,534,906
1920.....	222,004,376	1940.....	1,297,517,441
1921.....	135,347,826	1941.....	1,529,147,645
1922.....	182,343,333	1942.....	1,173,414,078
1923.....	253,874,581	1943.....	1,234,049,119
1924.....	340,445,919	1944.....	1,459,445,859
1925.....	437,502,232	1945.....	1,216,467,433
1926.....	394,964,393	1946.....	919,850,476
1927.....	487,166,143	1947.....	795,498,998
1928.....	583,526,751	1948.....	900,540,206
1929.....	856,854,055	1949.....	1,135,325,345
1930.....	702,188,795	1950.....	1,366,596,282
1931.....	502,389,875	1951.....	904,088,178
1932.....	556,139,053	1952.....	694,976,990
1933.....	821,805,007		
1934.....	1,390,798,650		
1935.....	1,448,016,584		

EXPLANATION OF TABLES

Beginning with records for the year 1926 we have published in the Catch Bulletins a series of tables which present all available records of landings of commercial fish, mollusks and crustaceans in California. We have also published tables on relevant subjects such as the number of boats in the fleet, a census of the commercial fishermen and the value of the catch to the fishermen.

The landing totals include two integrals, the poundage caught and landed by the California fleet of fishing vessels fishing in waters exploited by the fleet, and the shipments. The California fleet includes the California vessels plus those vessels from Oregon, Washington and Alaska which register to fish in California waters and deliver to California ports. The shipments include poundages originating in other states or foreign countries and delivered by common carrier to California ports. In the 1952 tables there is also included with the shipments a small poundage taken by California vessels in waters not currently exploited by the fleet.

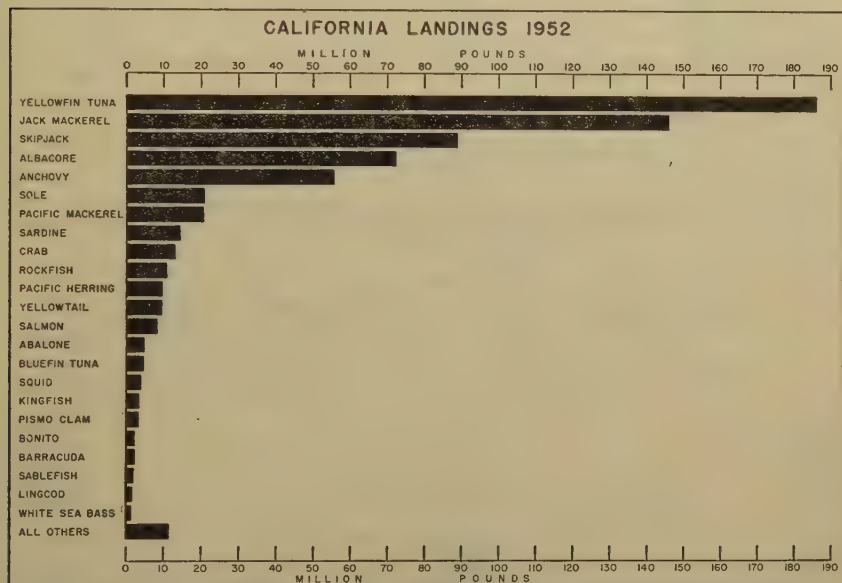


FIGURE 6. The relative landings in 1952 of the more important commercial species. Includes shipments with the catch of the California fleet. See Table 4.

TABLE 4

Total Commercial Fish Landings and Shipments Into California During 1952

Species	Pounds	Species	Pounds
Yellowfin tuna	185,517,690	Squid	3,670,923
Jack mackerel	146,521,673	Kingfish	3,273,524
Skipjack	88,891,667	Pismo clam	3,192,254
Albacore	72,328,039	Bonito	2,144,823
Anchovy	55,782,870	Barracuda	2,094,793
Sole	20,920,033	Sablefish	1,889,589
Pacific mackerel	20,604,671	Lingcod	1,365,601
Sardine	14,330,420	White seabass	1,148,706
Crab	12,997,411	All others	11,149,189
Rockfish	10,722,880		
Pacific herring	9,495,386	Total pounds	694,976,990
Yellowtail	9,446,979		
Salmon	8,127,151		
Abalone	4,784,033		
Bluefin tuna	4,576,685		

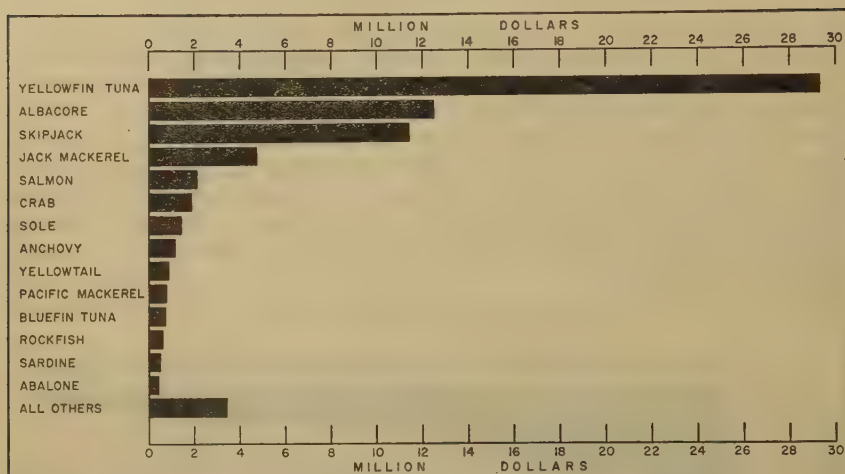


FIGURE 7. The relative value in 1952 of the more important commercial species. This chart is based on the figures in Table 5, which are derived from the comparable figures in Tables 5 and 20.

TABLE 5
Value of Commercial Fish Landings and Shipments Into California During 1952

Species	Value	Species	Value
Yellowfin tuna.....	\$29,336,957	Bluefin tuna.....	\$733,224
Albacore.....	12,515,283	Rockfish.....	610,175
Skipjack.....	11,424,498	Sardine.....	523,120
Jack mackerel.....	4,754,969	Abalone.....	431,094
Salmon.....	2,109,077	All others.....	3,408,534
Crab.....	1,893,011	Total value.....	\$71,982,774
Sole.....	1,429,984		
Anchovy.....	1,153,156		
Yellowtail.....	874,228		
Pacific mackerel.....	785,464		

The shipments are composed chiefly of frozen tuna destined for canning in the California plants. Our record does not include all of the fresh fish and shellfish brought into California for use in fresh state or the imported frozen packaged goods.

Weights are for whole fish and no adjustment is made when the original record occasionally shows items have been cleaned. In a few cases where it is known that all of the landings of a given species are cleaned in a like manner the cleaning loss can be estimated. This is true in the case of catfish where there is a known loss of 50 percent and the reported weight can safely be doubled to cover cleaning loss. Shellfish are frequently reported in numbers and the following conversion factors have been used to report the weight in the shell.

Crab, market.....	2 pounds each
Abalone, red.....	50 pounds per dozen
Abalone, pink.....	35 pounds per dozen
Abalone, green.....	35 pounds per dozen
Clam, gaper.....	2 pounds each
Clam, Mexican Pismo.....	8 pounds round weight per 1 pound cleaned weight
Clam, Washington.....	7 pounds per dozen

Halibut delivered in the San Francisco region is not always separated by species. Hence the total landed in that region is reported as 90 percent Pacific halibut and 10 percent California halibut. This proportion has been determined through periodic sampling of the landings by the biological staff.

The marine sport catch in Table 28 is given in numbers of fish for the reason that it is difficult to obtain the weight of catches made by the recreational fishermen. This record covers only that sport fish taken by the charter and party boats operating under permit and does not include the catch made from privately owned boats, from wharves or by the surf fishermen. The live bait record in Table 29 covers only that bait caught for the use of the marine sport fishermen by a group of boats which fish only for bait. The regular commercial fishing vessels catch and use their own bait and no record is available of the quantity.

Statistical Regions

The boundaries of the regions of landings shown in Figure 1 and in the tables are as follows:

Eureka region: Del Norte, Humboldt and Mendocino Counties.

Sacramento region: Sacramento and San Joaquin River systems with the delta areas, including Suisun Bay and Lake County.

San Francisco region: Sonoma, Marin, San Francisco and San Mateo Counties, including San Francisco and San Pablo Bays; Alameda and Contra Costa Counties to Carquinez Straits.

Monterey region: Monterey and Santa Cruz Counties.

Santa Barbara region: San Luis Obispo, Santa Barbara and Ventura Counties.

Los Angeles region: Los Angeles and Orange Counties.

San Diego region: San Diego and Imperial Counties.

TABLE 6

Yearly Number of Licensed Commercial Fishermen in California

1943-1944	11,804	1948-1949	14,261
1944-1945	10,871	1949-1950	14,962
1945-1946	11,747	1950-1951	14,600
1946-1947	12,312	1951-1952	13,193
1947-1948	12,894	1952-1953	11,566

TABLE 7

Number of Commercial Fishermen Licensed by Region in the 1952-1953 License Year

Region of residence	Number of fishermen, 1952-1953
Eureka	862
Sacramento	413
San Francisco	1,281
Monterey	940
Santa Barbara	448
Los Angeles	3,808
San Diego	2,746
Alaska, Washington and Oregon fishermen licensed in California	983
Mexican nationals licensed in California	85
Total	11,566

TABLE 8

Yearly Number of Fishing Boats, Grouped According to Length

Season	Under 40 feet	40 to 84 feet	85 feet and over	Total
1943-1944-----	2,929	750	47	3,726
1944-1945-----	2,852	870	60	3,782
1945-1946-----	3,103	943	99	4,145
1946-1947-----	3,558	1,144	155	4,857
1947-1948-----	3,639	1,201	202	5,042
1948-1949-----	4,088	1,378	256	5,722
1949-1950-----	4,294	1,595	271	6,160
1950-1951-----	4,127	1,710	266	6,103
1951-1952-----	3,927	1,631	279	5,837
1952-1953-----	3,599	1,583	272	5,454

TABLE 9
Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1952-1953 Season

Region of home port	Number of boats, grouped by length						Total number of boats for each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 to 99 feet	100 feet and over	
Eureka.....	90	265	99	7	---	4	465
Sacramento.....	75	190	10	2	---	---	277
San Francisco.....	43	576	148	21	---	1	789
Monterey.....	106	243	61	30	7	---	447
Santa Barbara.....	39	121	81	3	---	---	244
Los Angeles.....	343	1,040	433	127	45	28	2,016
San Diego.....	124	313	174	25	51	120	807
Alaska, Washington and Oregon.....	---	31	305	57	6	6	405
Other registry.....	---	---	---	---	---	4	4
Total number of boats.....	820	2,779	1,311	272	109	163	5,454 ¹

¹ The owners of 987 of these vessels were issued fishing party permits.

TABLE 10
Origin of Shipments of Fresh Fish Into California During 1952

Shipped from	Shipped to					Total pounds
	Sacramento region	San Francisco region	Monterey region	Los Angeles region	San Diego region	
Continental United States:						
Carp.....	---	---	---	2,784	---	2,784
Catfish.....	478	977	---	---	---	1,455
Eel.....	---	---	---	2,350	---	2,350
Tuna, albacore.....	---	---	---	10,537	---	10,537
Miscellaneous fish.....	---	---	---	188,665	---	188,665
Oregon, Washington, British Columbia and Alaska:						
Catfish.....	215	---	---	---	---	215
Halibut, Pacific.....	---	4,000	---	255,538	---	259,538
Sablefish.....	---	178,420	---	367,302	---	545,722
Salmon.....	---	17,463	---	834,662	---	852,125
Sole.....	---	---	---	240	---	240
Tuna, albacore.....	---	---	---	201,172	---	201,172
Miscellaneous fish.....	---	---	---	5,630	---	5,630
South of the international boundary:						
Barracuda.....	---	---	---	---	587	587
Bonito.....	---	---	---	---	2,306	2,306
Corvina, Mexican.....	---	---	---	---	4,233	4,233
Halibut, California.....	---	---	---	---	219	219
Rockfish.....	---	---	---	---	2,695	2,695
Sea bass, black.....	---	---	---	---	4,556	4,556
Seabass, white.....	---	---	---	---	1,663	1,663
Smelt.....	---	---	---	---	563	563
Tuna, albacore.....	---	---	---	---	16,084	16,084
Tuna, skipjack.....	---	---	---	271,626	---	271,626
Tuna, yellowfin.....	---	---	---	2,332,818	---	2,332,818
Mollusk:	---	---	---	---	---	---
Clam, Pismo.....	---	---	---	3,192,254	---	3,192,254

South America:									
Swordfish.....	---	47,540	---	---	---	---	---	---	47,540
Tuna, skipjack.....	---	1,203,495	---	117,718	---	2,075,773	---	222,683	3,619,669
Tuna, yellowfin.....	---	736,540	---	1,160,498	---	2,718,361	---	---	4,615,399
Hawaii:									
Tuna, yellowfin.....	---	---	---	---	---	91,195	---	---	91,195
Japan:									
Tuna, albacore.....	---	2,485,117	---	1,152,073	---	17,583,190	---	1,077,075	22,297,455
Tuna, skipjack.....	---	118,887	---	---	---	145,359	---	---	264,246
Tuna, yellowfin.....	---	20,023	---	---	---	20,762	---	---	40,785
Miscellaneous fish.....	---	---	---	---	---	408	---	---	408
Mollusk:	---	---	---	---	---	---	---	---	---
Clam, Japanese ¹	---	40,825	---	36,000	---	---	---	---	76,825
Total pounds.....	693	4,853,287		2,466,289		30,300,626		1,332,664	38,953,559

	Pounds		Pounds
Recapitulation:			
Barracuda.....	587	Salmon.....	852,125
Bonito.....	2,306	Sea bass, black.....	4,556
Carp.....	2,784	Seabass, white.....	1,663
Catfish.....	1,670	Smelt.....	563
Corvina, Mexican.....	4,233	Sole.....	240
Eel.....	2,350	Swordfish.....	47,540
Halibut, California.....	219	Tuna, albacore.....	22,525,248
Halibut, Pacific.....	259,538	Tuna, skipjack.....	4,155,541
Rockfish.....	2,695	Tuna, yellowfin.....	7,080,197
Sablefish.....	545,722	Miscellaneous fish.....	194,703
		Mollusk:	
		Clam, Japanese ¹	76,825
		Clam, Pismo.....	3,192,254
		Total pounds.....	38,953,559

¹ Cleaned weight, no conversion factor available.

TABLE 11
Origin of the Commercial Fish Landings and Shipments Info California During 1952

Species	Fishing boat landings				Shipments ¹	Total pounds of fishing boat landings and shipments combined
	California	North of the state boundary	South of the international boundary	Total fishing boat landings		
Anchovy.....	55,782,870	---	---	55,782,870	---	55,782,870
Barrauda.....	747,667	---	1,346,539	2,094,206	587	2,094,793
Bonito.....	7,504	---	2,135,013	2,142,517	2,306	2,144,823
Cabezon.....	34,494	---	---	34,494	---	34,494
Cabrilla.....	---	---	574,333	574,333	---	574,333
Carp.....	809,735	---	---	809,735	2,784	812,519
Catfish.....	178,630	---	---	178,630	1,670	180,300
Corvina, Mexican.....	---	---	---	---	4,233	4,233
Eel.....	---	---	---	---	2,350	2,350
Flounder.....	595,470	1,719	---	597,189	---	597,189
Flyingfish.....	50,736	---	---	50,736	---	50,736
Grouper.....	---	---	829,807	829,807	---	829,807
Hake.....	6,145	---	---	6,145	---	6,145
Halibut, California.....	473,620	---	51,691	525,311	219	525,530
Halibut, Pacific.....	242,123	---	---	242,123	259,538	501,661
Hardhead.....	15,550	---	---	15,550	---	15,550
Herring, Pacific.....	9,209,386	286,000	---	9,495,386	---	9,495,386
Kingfish.....	3,273,384	---	140	3,273,524	---	3,273,524
Lingcod.....	1,350,931	12,603	2,067	1,365,601	---	1,365,601
Mackerel, jack.....	146,385,362	---	136,311	146,521,673	---	146,521,673
Mackerel, Pacific.....	20,264,451	---	340,220	20,604,671	---	20,604,671
Mullet.....	90,212	---	---	90,212	---	90,212
Perch.....	297,227	---	---	297,227	---	297,227
Pompano, California.....	32,124	---	---	32,124	---	32,124
Rock bass.....	39,165	---	47,580	86,745	---	86,745
Rockfish.....	10,420,723	233,227	66,235	10,720,185	2,695	10,722,880
Sablefish.....	1,322,451	21,416	---	1,343,867	545,722	1,889,589
Salmon.....	7,259,499	15,527	---	7,275,026	852,125	8,127,151
Sandab.....	638,742	1,132	---	639,874	---	639,874
Sardine.....	14,189,420	---	141,000	14,330,420	---	14,330,420
Seulpin.....	83,610	---	---	83,610	---	83,610
Sea bass, black.....	5,272	---	308,222	313,494	4,556	318,050
Seabass, white.....	692,232	---	454,811	1,147,043	1,663	1,148,706
Seatrout, greenling.....	483	---	---	483	---	483

Shad.....	640,277	---	---	640,277	---	---	640,277
Shark.....	611,831	11,407	---	623,238	---	---	623,238
Sheep-head.....	32,676	3,555	---	36,231	---	---	36,231
Sierra.....	---	2,549	---	---	---	---	2,549
Skate.....	138,624	92	---	138,716	---	---	138,716
Smelt.....	646,116	---	---	646,116	563	---	646,679
Sole.....	19,581,827	---	---	20,919,793	240	---	20,920,033
Splittail.....	1,450	---	---	1,450	---	---	1,450
Sucker.....	6,674	---	---	6,674	---	---	6,674
Swordfish.....	262,474	3,216	---	265,690	47,540	---	313,230
Tomcod.....	976	---	---	976	---	---	976
Tuna, albacore.....	23,102,341	26,697,061	---	49,802,791	22,525,248	---	72,328,039
Tuna, bluefin.....	907,215	3,669,470	---	4,576,685	---	---	4,576,685
Tuna, skipjack.....	534	84,735,592	---	84,735,126	4,155,541	---	88,891,067
Tuna, yellowfin.....	---	178,437,493	---	178,437,493	7,080,197	---	185,517,690
Turbot.....	81,884	---	---	81,884	---	---	81,884
Wahoo.....	---	5,383	---	5,383	---	---	5,383
Whitebait.....	152,115	---	---	152,115	---	---	152,115
Whitefish, ocean.....	2,083	6,725	---	8,808	---	---	8,808
Yellowtail.....	51,116	9,395,863	---	9,446,979	---	---	9,446,979
Miscellaneous fish.....	137,231	299	---	141,896	194,703	---	336,599
Crustacean:							
Crab.....	12,958,654	38,757	---	12,997,411	---	---	12,997,411
Crab, rock.....	16,977	---	---	16,977	---	---	16,977
Lobster, spiny.....	807,070	167	---	807,237	---	---	807,237
Prawn.....	3,016	---	---	3,016	---	---	3,016
Shrimp, bay.....	912,558	---	---	912,558	---	---	912,558
Shrimp, ocean.....	205,485	---	---	205,485	---	---	205,485
Mollusk:							
Abalone.....	4,784,033	---	---	4,784,033	---	---	4,784,033
Clam, gaper.....	1,202	---	---	1,202	---	---	1,202
Clam, jackknife.....	50,096	---	---	50,096	---	---	50,096
Clam, Japanese ²	---	---	---	---	76,825	---	76,825
Clam, Pismo.....	---	---	---	---	3,192,254	---	3,192,254
Clam, Washington.....	9,256	---	---	9,256	---	---	9,256
Mussel.....	552	---	---	552	---	---	552
Octopus.....	18,592	---	---	18,592	---	---	18,592
Oyster, eastern.....	160,757	---	---	160,757	---	---	160,757
Oyster, Pacific.....	188,655	---	---	188,655	---	---	188,655
Squid.....	3,670,923	---	---	3,670,923	---	---	3,670,923
Total pounds.....	344,664,488	1,956,102	309,402,841	656,023,431	38,953,559	---	694,976,990

¹ For origin of shipments refer to Table 10.² Cleaned weight, no conversion factor available.

TABLE 12
Monthly Landings and Shipments Into California During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings:													
Anchovy.....	19,266	88,753	1,888	626,191	1,327,326	3,619,538	6,268,254	6,018,493	2,528,819	19,557,671	11,705,680	4,020,991	55,782,870
Barracuda.....	176,843	195,032	274,000	234,488	401,027	203,990	64,107	181,938	169,021	66,735	21,675	105,350	2,094,206
Bonito.....	1,266	31,704	1,269	808	309	164	211,932	689,187	983,217	55,033	139,111	28,514	2,143,517
Cabazon.....	56,858	74,251	106,133	82,031	1,701	1,588	1,685	305	645	58	1,236	3,053	34,494
Cabrilla.....					6,705	40,180	25,924				51,708	130,543	574,333
Carp.....	39,320	68,225	103,855	138,632	63,400	47,945	137,928	37,179	49,344	44,806	29,618	49,583	809,735
Catfish.....	12,480	3,792	8,092	26,788	406				30,082	31,040	34,628	31,822	178,680
Flounder.....	72,824	109,397	51,034	28,513	31,865	37,781	44,911	65,866	67,603	67,927	17,977	2,591	597,189
Flyfishing.....					13,162	6,587	15,434	3,231	10,517	35			50,736
Grouper.....	120,696	160,634	95,915	48,747	9,984	17,421	33,655			519	100,112	239,524	829,807
Hake.....				1,405	455			4,000	285				6,145
Halibut, California.....	40,759	98,799	70,747	67,923	43,608	26,475	27,010	37,089	19,710	35,778	30,265	27,148	525,311
Halibut, Pacific.....	15,692	83,663	7,239	5,170	4,893	48,471	21,443	3,648	2,424	3,314	5,927	40,339	242,123
Hardhead.....				50							2,255	13,245	15,550
Herring, Pacific.....	1,567,722	1,658,421	155,750	261,194	1,637,491	1,317,000	1,777,155	481,093	585,100	2,750	17,091	34,619	9,495,386
Kingfish.....	12,482	57,953	48,934	113,293	130,385	283,411	220,008	589,084	656,614	715,166	219,460	226,734	3,273,524
Lingcod.....	32,679	67,358	57,892	101,625	113,132	170,594	226,206	158,991	157,409	150,378	103,093	26,644	1,365,601
Mackerel, jack.....	5,491,684	554,531	2,382,263	7,684,666	5,844,195	5,096,497	8,418,959	17,224,767	38,360,024	19,290,483	32,973,158	3,200,346	146,521,673
Mackerel, Pacific.....	397,510	18,839	51,223	103,716	927,471	1,925,737	6,284,000	3,594,916	2,217,780	3,207,784	1,723,137	152,558	20,604,671
Mullet.....	23,510	16,058	7,132	6,316							22,839	14,357	90,212
Parch.....	13,393	14,412	41,017	49,212	1,911	60,626	42,106	25,221	14,366	14,922	12,570	7,471	297,227
Pompano, California.....	101	1,049	1,149	14,705	6,257	1,751	567	1,054	962	919	3,470	140	32,134
Rock bass.....	9,686	29,250	6,717	1,243	11,985	9,223	9,223	4,568	3,231	3,929	1,639	2,498	86,745
Rockfish.....	612,955	1,135,327	977,502	1,330,472	1,012,166	841,573	758,383	708,657	905,659	1,044,384	898,109	494,998	10,720,185
Sea bass.....	68,903	128,451	77,133	168,077	105,325	174,803	151,928	100,219	158,244	123,990	64,460	22,334	1,343,867
Salmon.....	385	1,860	2,480	6,651	919,380	1,855,656	1,986,009	1,098,399	1,404,206				7,275,026
Sandbar.....	47,388	41,342	35,100	81,720	63,792	59,729	76,384	81,708	61,634	62,224	31,561	17,394	659,874
Sardine.....	2,875,815	425,465	267,453	460,332	441,775	332,155	354,415	588,237	521,785	4,929,485	2,067,146	1,466,157	14,330,420
Sculpin.....	1,128	4,464	3,859	11,874	6,603	10,953	9,980	11,602	7,309	4,587	4,280	4,071	83,610
Sea bass, black.....	12,415	20,366	9,008	34,367	12,089	21,089	37,452	1,167	24,115	84,865	29,675	14,847	313,494
Seabass, white.....	26,547	75,951	24,501	38,414	152,505	122,629	206,419	188,838	144,838	111,546	18,243	36,912	1,147,043
Seatrout, greenling.....	15	216	85					10	18	119		20	483
Shad.....			266,829	368,486	368,486								640,277
Shark.....	49,652	63,823	57,154	36,879	113,612	70,880	60,415	36,086	33,192	22,162	28,215	51,168	623,238
Sheep-head.....	8,802	3,032	381	65	357	993	559	248	172	5,921	9,000	6,641	36,231

TABLE 12—Continued
Monthly Landings and Shipments Into California During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Eel.....										2,350			2,350
Hallibut, California.....												219	219
Hallibut, Pacific.....	45,910		26,148		26,291	12,908	51,473	74,855			17,953	4,000	259,538
Rockfish.....					1,660	1,035							2,695
Sablefish.....	20,190	80,706		54,785	35,591	29,000	35,140	43,909	110,049	80,885	55,467		545,722
Salmon.....	144,948	57,549	137,179	30,697	112,469	38,783	43,525	95,357	13,880	2,005	81,532	94,201	852,125
Sea bass, black.....							2,400	2,156					4,556
Seabass, white.....						15						1,648	1,663
Smelt.....		563											563
Sole.....	240												240
Swordfish.....						47,540							47,540
Tuna, albacore.....	203,605	1,220,470	1,743,052	2,848,488	3,117,198	1,647,800	4,372,876	5,905,685	375,698		224,678	865,698	22,525,248
Tuna, skipjack.....	48,182	10,367	14,841	1,187,400	437,357	1,291,678	264,334	139,722	445,440	147,780		68,440	68,440
Tuna, yellowfin.....	284,608	345,725	418,753	661,554	1,491,588	509,945	587,996	375,154	1,479,092	729,678	40,154	155,950	7,080,197
Miscellaneous fish.....		28,810	5,514		8,350	35,275	2,005	438	23,841	20,420	55,650	14,400	194,703
Mollusk:													
Clam, Japanese ²					825							36,000	76,825
Clam, Pismo.....	196,928	331,336	70,872	40,000	428,920	515,494	775,248	608,144	185,944	47,448		31,920	3,192,264
Total pounds.....	946,981	2,075,526	2,416,359	4,822,924	5,660,321	4,129,473	6,234,997	7,245,420	2,636,728	1,031,081	477,740	1,276,709	38,953,559
Grand total fishing boat landings and shipments.....	25,368,621	18,417,070	28,853,495	46,033,929	47,680,313	58,590,284	75,605,433	92,328,331	99,866,947	86,202,734	74,799,173	41,230,660	694,976,990

¹ For origin of shipments refer to Table 10.

² Cleaned weight, no conversion factor available.

TABLE 13
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Carp.....	33,296	12,731	3,877	1,638	16,956	32,690	79,376	41,115	37,432	36,248	5,730	200	79,376
Flounder.....	55,441	5,100			3,653	46,340	36,025	363	775	157			258,529
Halibut, Pacific.....	2,432	18,531	9,101	34,939	71,630	83,140	13,917						65,185
Herring, Pacific.....													60,541
Lingcod.....	117	632	13,741	11,954			70,125	84,124	84,678	93,325	59,060	4,614	613,399
Perch.....	90,645	244,161	116,411	346,597	191,761	207,727	3,001	6,191	1,233	1,518	438	60	38,785
Rockfish.....	15,604	32,610	21,361	53,107	50,209	102,265	155,128	166,337	237,772	315,477	278,645	51,306	2,401,967
Sablefish.....					178,932	598,342	59,336	41,832	96,437	107,923	45,379	9,932	636,085
Salmon.....	10,239	9,581	3,087	11,198	9,301	15,609	868,927	708,863	120,218				2,475,282
Sanddab.....							16,221	12,390	13,635	7,784	2,363	200	111,608
Shark.....	77	150	17	90				10	586	650	4,311	40	5,631
Skate.....					8,727	18,612	23,789	29,709	19,427	2,620	460		104,401
Smelt.....	327,048	418,118	299,442	1,053,492	1,898,810	2,039,650	1,378,099	1,432,830	1,541,183	1,462,464	1,442,512	637,618	13,931,266
Sole.....	636		170										806
Toncod.....													
Tuna, albacore.....	1,377	3,121	607	85			1,300	762,069	2,081,799	576,093	29,865	2,822	3,452,648
Turbot.....	4,638	12,499	8,968	13,160	14,116	16,002	13,087	101	375	1,372	744	250	9,422
Whitebait.....	2,901	4,752	1,115	4,851	3,399	1,534	649	2,721	154	41,839	3,326		85,191
Miscellaneous fish.....								81					64,601
Crustacean:													
Crab.....	1,788,152	1,796,056	1,440,407	1,791,766	1,121,834	285,883	100,007	1,501	140		35,869	599,247	8,959,221
Shrimp, ocean.....					1,466	530	239						3,876
Mollusk:													
Clam, Washington.....	385	4,424	1,441	378					325	653	663	987	9,256
Octopus.....	253	158	389	125						75	73		1,073
Total pounds.....	2,332,941	2,563,273	1,920,224	3,324,148	3,570,864	3,448,324	2,819,826	3,290,237	4,236,160	2,648,668	1,908,978	1,307,276	33,370,909

TABLE 13—Continued
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from waters north of the state boundary:													
Flounder		326					779	539		75			1,719
Lingcod		1,112	2,344	1,406	1,595	1,552	1,056	1,544	732	859	363	41	12,603
Rockfish		155,820	38,886	7,269	3,154	2,093	4,477	9,305	10,691	1,262	180		233,227
Sablefish			2,640	7,123	1,784	2,639	492	1,119	2,328	542	2,549		21,416
Salmon							10,163	2,975	2,389				15,527
Sanddab		241		160			279	452					1,132
Sole		44,997	80,199	341,441	91,448	168,886	167,447	189,720	76,088	42,687	90,785	44,268	1,337,966
Tuna, albacore								2,364	1,025	1,972			3,389
Miscellaneous fish					2,394								4,366
Crustacean:													
Crab			5,967	23,137	8,420		1,233						38,757
Total pounds		202,496	130,036	380,536	108,795	175,170	185,926	208,108	93,453	47,396	93,877	44,309	1,670,102
Grand totals, Eureka region	2,332,941	2,765,769	2,050,260	3,704,684	3,679,659	3,623,494	3,005,752	3,498,345	4,329,613	2,696,054	2,002,855	1,351,585	35,041,011

TABLE 14
Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Carp.....	36,368	51,510	75,446	119,871	54,937	38,763	46,180	27,679	39,384	27,866	14,818	48,483	581,305
Catfish.....	12,480	3,792	6,926	26,788	406	-----	-----	-----	30,082	31,040	34,628	31,322	177,464
Hardhead.....	-----	-----	-----	50	-----	-----	-----	-----	-----	-----	2,255	13,245	15,550
Salmon.....	385	1,860	2,480	6,651	4,650	-----	-----	23,820	698,025	-----	-----	-----	738,171
Shad.....	-----	-----	3,817	265,737	369,486	-----	-----	-----	648	1,510	8,000	-----	640,040
Splittail.....	286	366	120	30	-----	-----	-----	-----	-----	8	-----	-----	1,450
Tuna, albacore.....	-----	-----	-----	118	19	-----	-----	-----	265	-----	-----	-----	9,510
Miscellaneous fish.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	410
Total pounds.....	49,519	57,528	88,789	420,245	429,798	38,763	46,180	51,499	768,404	60,424	59,701	93,050	2,163,900
Shipments: ¹													
Oatfish.....	693	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	693
Total pounds.....	693	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	693
Grand totals, Sacramento region.....	50,212	57,528	88,789	420,245	429,798	38,763	46,180	51,499	768,404	60,424	59,701	93,050	2,164,593

¹ See Table 10 for origin of shipments.

TABLE 15
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	179	4,080	385	25,590	133,830	67,990	19,480	500,393	1,169,409	2,219,615	1,890,343	1,590	5,831,115
Caboveron.....		2,444	81	350	301	660	394	50			83		6,132
Catfish.....			1,166										1,166
Flounder.....	39,062	93,346	45,908	23,464	11,104	4,710	6,162	23,989	30,027	31,204	11,434	2,265	322,675
Hake.....			565		455				285				1,305
Halibut, California.....	1,732	9,296	804	574	140	237	836	365	183	351	659	4,482	19,659
Halibut, Pacific.....	15,592	83,663	7,239	5,170	1,260	2,131	7,526	3,285	1,649	3,157	5,927	40,339	176,938
Herring, Pacific.....	1,510,336	1,653,221	9,115		131		25				17,091	33,395	3,232,314
Kingfish.....	565	744	168	864	731	885	523	1,332	1,269	2,958	1,175	1,241	13,455
Lingcod.....	23,960	39,763	40,050	49,086	31,198	67,634	131,005	60,748	58,789	48,360	32,115	12,155	593,863
Mackerel, jack.....								142	1,969				2,111
Mackerel, Pacific.....		5,682	14,751	23,963			4,082	10,333	392				392
Perch.....	3,719	28	205	160			20		6,981	6,984	2,908	5,311	84,714
Pompano, California.....	69								80	27			526
Rock bass.....													96
Rockfish.....	195,816	296,482	374,304	387,801	471,131	290,100	189,340	146,501	287,323	329,720	329,835	282,197	3,580,550
Sablefish.....	13,197	2,114	8,893	32,927	16,755	47,146	55,711	25,569	25,902	7,728	5,785	4,530	246,257
Salmon.....				343,999	812,512	812,512	913,589	292,948	574,485				2,937,533
Sanddab.....	23,630	21,073	15,621	28,740	36,093	23,113	34,990	47,709	28,071	36,535	24,929	15,133	332,637
Seabass, white.....	1,691	258					223	785	1,285	135	128	1,115	5,620
Shark.....	24,677	27,299	12,376	1,242	125	5,728	5,127	20,598	17,595	7,208	1,249	9,578	132,802
Skate.....	11,655	16,355	12,380	11,615	6,120	5,350	6,830	12,150	6,518	9,980	7,625	8,300	114,878
Snelt.....	32,647	45,170	36,352	24,664	14,548	21,794	18,415	27,126	31,088	31,088	3,731	6,090	281,560
Sole.....	358,791	417,130	283,006	493,204	416,468	330,937	335,496	295,138	333,007	302,347	195,182	207,098	3,967,804
Tomcod.....	55	24								21	70		170
Tuna, albacore.....	2,905	11,607	6,083	8,431	5,413	1,669	2,517	72,874	2,043,166	2,676,127	269,631	135,569	5,199,884
Turbot.....	3,002	3,232	6,432	15,605	13,401	13,198	6,821	5,032	5,671	5,261	4,336	1,075	64,504
Whitebait.....	4,886	10,116	6,790	1,085	414	435	7,787	1,236	28	623		168	64,712
Miscellaneous fish.....							9,473	5,483	793	568	260	1,249	41,552

[illegible]

¹ See Table 10 for origin of shipments.

² Cleaned weight, no conversion factor available.

TABLE 16
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....		920		1,425	9,500	2,512,980	4,926,601	4,256,354	161,840	15,696,108	9,085,504	3,084,373	39,735,585
Bonito.....				2,316	849	865	1,220	202	102	58	1,035	1,408	102
Cabezon.....	2,706	3,524	4,036	181	11	21	384	4,000	480		793	46	18,699
Flounder.....		1,193	403	840					72				3,131
Hake.....									25				4,840
Hallbut, California.....	1,919	1,626	748	1,028	140	1,288	4,853	871	1,746	550	2,467	5,838	23,074
Herring, Pacific.....			635	121,194	1,637,360	1,298,700	1,777,130	481,093	585,100				5,901,212
Kingfish.....	4,539	8,893	10,020	30,339	8,855	21,443	24,618	11,128	147,207	37,643	44,191	21,512	370,693
Langood.....	4,781	4,216	5,020	11,542	5,186	10,255	11,284	8,530	12,087	6,727	8,782	6,961	95,371
Mackerel, jack.....	88	60,160	19,740	12,894	485	38	180,575	805	145	188		660	275,778
Mackerel, Pacific.....				8,250			226,646	17,520					252,416
Perch.....	621	794	2,706	7,724	10		6,943	263	394	785	1,136	283	21,649
Pompano, California.....	10	57	608	11,621	287	102	24		22		3,050	29	15,927
Rockfish.....	231,531	330,682	376,469	450,583	256,223	261,575	368,332	354,238	332,785	365,978	254,747	113,845	3,696,988
Sablefish.....	38,448	93,337	44,047	74,708	35,506	22,713	36,115	31,413	33,221	5,172	10,590	7,711	433,081
Salmon.....					391,484	434,579	189,255	69,518	9,080				1,093,955
Sanddab.....	9,644	8,013	14,846	38,162	17,284	20,578	24,709	20,761	22,211	16,918	3,388	1,649	198,063
Sardine.....		3,600		8,340	850	650	8,400		1,800		1,400		24,740
Seabass, white.....	73		25			71	12,417	5,621	1,161	340	1,669	1,719	23,096
Searout, greenling.....		137		85				10	18	119			369
Shad.....			145	92									237
Shark.....	1,655	9,144	400	725	54	1,976	4,271	3,174	1,042	56	997	14,594	38,018
Skate.....	149	325	1,988	3,601	1,308	965	65	4,660	1,260	1,137	137	945	16,540
Smelt.....	1,910	573	40	7,074	5,987	17,525	18,262	4,356	12,685	17,687	11,887	3,594	101,580
Sole.....	12,340	59,193	93,116	221,953	130,341	180,379	103,363	74,956	90,320	86,030	28,084	9,737	1,069,812
Swordfish.....										127			127
Tuna, albacore.....							120,316	173,236	1,059,795	1,002,796	521,901	100,505	2,978,549
Turbot.....		160	799	115					110				1,184
Whitebait.....		81	139	338	45	25			215	1,330	18	21	2,912
Miscellaneous fish.....			215	300	112	58				100			785

[illegible]

See Table 10 for origin of shipments.

2 Cleaned weight, no conversion factor available.

TABLE 17
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	171	14,450	102	130,085	478,055	851,235	879,835	1,098,675	912,080	1,278,572	650,570	740,020	7,033,577
Barracuda.....	3,641	1,923	1,388	16,500	73	7	785	53	6,400	682	118	23,123	49,766
Cabezon.....	100	3,024	1,384	637	3,794	380	68	247	140	122	20	55	9,065
Flounder.....	25,892	35,743	14,046	14,426	11,066	8,850	9,257	21,413	10,968	12,713	12,247	14,860	10,686
Halibut, California.....													191,481
Herring, Pacific.....	155	100				18,300		61,384		14			18,555
Kingfish.....	105	487	9	450	56	190		1,935		881	100	642	63,437
Lingcod.....	2,687	3,686	1,204	4,277	3,457	7,963	12,665	1,935	978	1,117	1,117	1,950	42,800
Mackerel, jack.....			311,330	1,321,365	1,162,140	2,485,000	526,960	144,380	1,498,200	1,182,265	725,065	50,430	9,407,135
Mackerel, Pacific.....						17,946			20,550		766		39,262
Perch.....	2,008	1,069	1,827	1,218			3,089	5,071	1,118	424	256	352	16,432
Rock bass.....	505	598	12		640	1,667	905	574	234	330	288	84	5,837
Rockfish.....	17,959	24,126	14,445	36,185	45,748	37,240	26,307	13,026	5,629	5,890	4,855	6,988	238,428
Sablefish.....					765	40						25	830
Salmon.....					15	3,176	3,618	275					7,084
Sanddab.....	87			2,163	324	93	124	236	239	677	475	125	4,543
Scupin.....	295	141		4,040		190,350	15,860	112,000	275,700	1,054,820	786,937	77,385	2,609,842
Sea bass, black.....	29	105		995	137	30	32			80		50	1,738
Seabass, white.....	9,773	35,009	8,632	2,448	13,282	25,349	42,387	14,680	20,319	5,929	1,656	6,283	185,747
Seatrout, greenling.....	15	79										20	114
Shark.....	3,444	16,625	36,468	6,466	50,574	11,007	9,684	1,329	1,765	1,811	1,941	5,532	146,846
Sheep-head.....	1,602	627			57					2,484	4,124	3,557	12,551
Skate.....	484	723		40	96	300		165	197	192	59	124	2,380
Smelt.....	360		95	100	320	2,617	326	70	3,100	85			7,073
Sole.....	7,136	43,551	52,426	131,018	105,447	128,833	66,114	38,872	10,026	13,331	9,272	5,862	611,888
Swordfish.....							986	25,155	12,386	6,778	1,296		46,507
Tuna, albacore.....							4,267	202,277	731,081	1,149,431	316,665	16,052	2,419,773
Turbot.....	200	369		2,361	619			130	225	322	2,123	625	6,974
Whitefish, ocean.....					26	219							245
Yellowtail.....	169	11,456	215	21	463	340	256	52				200	381
Miscellaneous fish.....				27		372				4			13,204

[illegible]

TABLE 18
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy	16,950	89,303	561	489,091	702,823	186,133	442,338	160,131	278,701	358,086	276,712	196,598	3,157,427
Barracuda	27	870	1,974	49,223	307,509	195,281	29,187	52,614	9,960	3,275	1,142	-----	651,062
Bonito	-----	32	-----	167	123	147	107	185	-----	68	631	-----	1,460
Carp	2,852	16,715	15,874	18,761	8,463	9,182	12,372	9,500	9,960	16,940	14,800	1,100	136,519
Flounder	366	38	10	4	-----	-----	14	11	6	-----	-----	-----	449
Flyingfish	-----	-----	-----	-----	13,162	6,357	15,434	5,231	10,517	35	-----	-----	50,736
Haitian, California	4,281	47,413	52,908	44,580	24,881	11,457	7,164	860	297	835	383	552	195,611
Kingfish	7,273	47,775	36,122	79,518	118,998	260,749	194,639	514,872	507,998	671,557	173,544	203,000	2,816,015
Lingcod	119	-----	160	248	66	-----	50	1,710	120	102	492	90	3,157
Maackerel, jack	5,491,596	494,371	2,051,293	6,350,407	4,681,570	2,606,879	7,690,094	17,079,440	36,859,710	17,893,892	32,248,093	3,140,256	136,587,601
Maackerel, Pacific	397,407	18,261	50,608	95,401	927,233	1,881,332	5,977,942	3,286,123	2,123,755	2,476,573	1,712,371	152,558	19,099,564
Mullet	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	484	-----	494
Perch	6,928	6,235	7,992	4,453	1,901	60,626	24,991	3,373	4,640	5,211	7,852	1,465	135,647
Pompano, California	58	964	353	2,924	5,870	1,599	823	1,054	860	892	420	111	15,671
Rock bass	369	286	-----	277	1,342	9,164	6,488	3,501	2,652	3,482	1,351	396	29,248
Rockfish	65,658	74,751	43,082	90,694	42,072	40,020	14,424	19,038	30,872	22,884	20,936	17,480	481,911
Sablefish	1,654	390	192	212	216	5,746	274	286	156	2,625	57	136	6,198
Salmon	3,788	2,434	1,646	1,297	790	336	61	168	478	310	806	187	6,173
Sanddab	2,027,855	421,865	267,453	447,952	440,925	135,155	330,155	476,237	244,585	3,448,962	1,298,789	1,360,753	11,500,716
Sardine	747	4,239	1,535	6,239	2,828	9,771	9,917	11,487	7,309	4,369	3,902	3,217	65,560
Sculpin	280	78	128	219	287	806	606	180	474	-----	42	349	2,713
Sea bass, black	3,358	27,602	6,959	25,291	115,110	85,933	59,920	45,950	16,896	10,064	5,578	4,517	407,178
Seabass, white	5,344	6,194	7,128	12,270	36,127	24,306	26,520	9,532	4,653	2,678	6,972	3,688	145,682
Shark	1,421	610	381	65	272	993	559	248	172	855	493	188	6,207
Sheep-head	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Skate	405	677	898	1,370	199	42	9	2	40	14	-----	710	4,366
Smelt	36,628	13,200	12,112	1,773	643	2,376	5,495	4,892	4,277	12,288	17,318	30,946	141,918
Sole	28	71	85	394	443	8	-----	14	-----	5	-----	8	1,067
Sucker	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,674
Swordfish	-----	4,460	-----	2,254	-----	1,244	20,752	75,939	36,017	56,995	18,330	-----	209,277
Tuna, albacore	-----	-----	-----	-----	57	397	1,501,249	2,309,616	1,125,102	1,140,447	1,129,015	249,067	7,454,893
Tuna, bluefin	-----	-----	-----	-----	-----	20,818	289,138	442,296	23,730	130	-----	-----	776,169
Tuna, skipjack	-----	-----	-----	-----	-----	-----	-----	329	-----	45	-----	-----	374

TABLE 18—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Shipments: ¹													
Carp.....									2,784	2,350			2,784
Bel.....													2,350
Hallibut, Pacific.....	45,910		26,148		26,291	12,908	51,473	74,855			17,953		255,538
Sablefish.....	10,000	80,706		54,785	35,591	29,000	35,140	43,909	30,104	30,140	17,927		367,302
Salmon.....	144,948	52,703	128,871	30,697	110,469	38,783	43,525	95,357	13,880	2,005	79,223	94,201	834,662
Sole.....	240												240
Tuna, albacore.....	203,605	1,120,470	1,743,052	2,749,157	2,908,386	1,447,580	2,825,432	4,217,132	174,407		224,678	181,000	17,794,809
Tuna, skipjack.....	48,182	10,367	14,841	964,717	398,410	136,478	284,394	139,722	279,427	147,780		68,440	2,492,758
Tuna, yellowfin.....	284,608	345,725	418,753	497,416	929,084	375,955	587,996	375,154	672,730	630,491	20,131	25,063	5,163,136
Miscellaneous fish.....		28,810	5,514		8,350	35,275	2,005	438	23,841	20,420	55,650	14,400	194,703
Mollusk:													
Clam, Pismo.....	196,928	331,336	70,872		428,920	515,494	775,248	608,144	185,944	47,448		31,920	3,192,254
Total pounds.....	934,421	1,970,117	2,408,051	4,296,772	4,845,501	2,591,503	4,605,213	5,554,711	1,383,117	880,634	415,562	415,024	30,300,626
Grand totals, Los Angeles region.....	18,646,169	10,920,502	19,770,489	32,050,303	31,297,845	30,603,688	43,255,091	56,691,825	66,345,777	42,681,902	45,295,087	22,017,659	419,576,337

¹ See Table 10 for origin of shipments.

TABLE 19
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	2,316		942		3,118	1,220	1,093	2,940	6,789	5,290	2,551		25,166
Barraouta.....				2,744	15,129	8,265	1,064	7,064	646		2,888	8,410	46,839
Bonito.....			12,555			17		62	2,823		3,340		3,942
Carp.....	6,935	2,045	1,833	7,315	7,381	2,460	987	148	261	3,040	11,252	138	12,555
Halibut, California.....													43,795
Herring, Pacific.....	1,790												5,764
Kingfish.....		54	2,615	2,122	1,745	144	28	368		2,750		1,224	10,784
Lingcod.....		50	13	127		50	21		25	3,009	450	249	341
Mackerel, jack.....						2,580				110,157		55	112,737
Mackerel, Pacific.....	103	578	615	65	238	26,459	11,343	291,273	73,083	459,060	10,000		872,817
Mullet.....	23,510	16,058	7,132	6,316		856	1,345	493	270	12	22,345	14,357	89,718
Rock bass.....	26	56	52	30	794		375	122	587			50	3,984
Rockfish.....	463	8,292	1,257	2,860	1,479	1,493				2,348	1,043	560	20,879
Salmon.....						1,301							1,301
Sardine.....	200									25,903		28,019	54,122
Sculpin.....	86	84	2,324	7,640	3,638	1,152	63	15		138	378	804	16,322
Sea bass, black.....	561					649			330	33	88	171	1,672
Seabass, white.....	11,562	12,735	8,670	3,555	7,030	8,627	3,997	1,810	2,204	2,173	2,025	5,903	70,591
Shark.....	14,455	4,101	765	15,845	26,522	27,383	12,403	573	6,581	5,877	11,925	16,122	142,552
Sheep-head.....	5,839	1,465			28					2,602	2,025	1,959	13,918
Smelt.....	5,440	1,100	1,762	929	130		1,455	1,149	860	208		233	9,584
Swordfish.....				2,771			795,820	481,020	142,067	47,293			6,473
Tuna, albacore.....						5,263	795,820	481,020	142,067	47,293	91,115	24,506	1,587,084
Tuna, bluefin.....						23,425	73,980	9,498	13,760	10,383			131,046
Tuna, skipjack.....									160				160
Whitefish, ocean.....		794											794
Yellowtail.....				162	6,127	6,391	109	1,266	1,371	253	333		15,750
Miscellaneous fish.....		10			96	13					14		386
Crustacean:													
Crab, rock.....	1,154	345	80							3,180	4,996	3,280	13,035
Lobster, spiny.....	9,662	8,895	2,863							56,639	22,716	15,733	116,498

TABLE 19—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Mollusk:													
Abalone.....	61,040		19,185	16,640	28,259	28,926	29,092	7,023	4,190	2,780	4,790	6,273	206,178
Clam, jackknife.....	920	1,705	2,558	3,719	8,696	6,881	7,372	7,847	5,319	2,711	1,391	977	50,096
Mussel.....						63	122	200	167				552
Total pounds.....	146,002	58,367	65,191	73,140	110,410	151,518	939,635	813,471	261,193	745,809	195,665	129,023	3,689,424
Fishing boat landings from waters south of the international boundary:													
Barraкуда.....	55,567	20,456	62,861	23,785	5,362		1,400	7,128	6,782	5,244	17,645	44,980	251,220
Bonito.....	555	2,999						72,983	19,232	46,549	120,322	14,515	277,375
Cabrilla.....	4,777	9,194	3,968	2,012	315	3,642					45	5,538	29,491
Grouper.....	4,066	11,549	9,004	764	256	1,690					523	8,746	36,598
Hallbut, California.....		2,676	48			2,183	3,913	572		18,289	3,257	40	30,878
Kingfish.....									140	135			140
Lingcod.....										195	1,164	578	1,867
Mackerel, jack.....							21,330			114,981			136,311
Mackerel, Pacific.....							68,069			272,161			340,220
Rock bass.....		1,928	387	425		298			75			180	3,293
Rockfish.....	8,445	963	12,648	8,483	598	1,325					198	831	33,491
Sea bass, black.....		3,394	338	9,107	18,370	5,893	17,339	298	11,486	12,700	3,322	1,493	83,740
Seabass, white.....		147			13,863	2,648	52,715	44,401	52,913	55,605	3,352	8,167	233,922
Shark.....		227		122		370	2,410		225	3,182	366	1,089	7,991
Sheep-head.....		330									418	817	1,565
Sierra.....				190									190
Skate.....		92					566	745	1,051				92
Swordfish.....							7,364,306	9,294,320	3,475,803	874,437	30,651		21,039,579
Tuna, albacore.....					11,007	5,794	72,374	132,304			3,167		224,646
Tuna, bluefin.....													
Tuna, skipjack.....	116,833	39,328	459,922	1,002,132	521,346	2,976,254	2,089,019	3,502,051	4,970,454	5,304,350	4,270,045	5,966,488	31,218,222
Tuna, yellowfin.....	807,558	498,934	4,157,119	3,730,310	4,412,555	8,364,611	4,106,307	6,694,212	6,720,693	4,769,831	4,862,027	3,758,499	52,877,196
Whitfish, ocean.....	2,023	1,079	1,177	266						304	781	805	6,465
Yellowtail.....	13,291	64,794	10,827	64,336	15,317	136,722	235,650	97,362	86,137	113,892	249,994	349,243	1,437,665
Miscellaneous fish.....										69	230		299
Crustacean:													
Lobster, spiny.....										167			167
Total pounds.....	1,013,125	658,090	4,716,299	4,842,082	4,998,689	11,501,493	14,035,398	19,846,386	15,344,891	111,591,876	9,567,707	10,156,949	108,274,985

Shad-----	5,831	640,040	47,683	132,802	4,396	237	9
Shark-----						38,018	3,250
Sheep-head-----							
Sierra-----	460			114,878	1,366	16,540	493
Skate-----	104,401			281,560	22,920	101,580	5,709
Smelt-----	15,269,232			3,967,804	266,239	1,069,812	77,347
Sole-----		1,450	238				
Spittail-----							
Sucker-----						127	53
Swordfish-----				170	10		
Tomcod-----	806						
Tuna, albacore-----	3,456,037	9,510	2,264	5,199,884	877,741	2,988,692	489,248
Tuna, bluefin-----							
Tuna, skipjack-----							
Tuna, yellowfin-----							
Turbot-----	9,422			64,304	2,354	130,896	22,252
Wahoo-----						1,184	43
Whitebait-----	85,191			64,712	6,717	2,212	339
Whitefish, ocean-----							
Yellowtail-----		410	59	41,552	1,078	785	28
Miscellaneous fish-----	68,967						
Crustacean:-----							
Crab-----	8,997,978			3,894,965	539,452	11,549	2,340
Crab, rock-----				480	53		
Lobster, spiny-----							
Prawn-----							
Shrimp, bay-----				912,558	68,637	3,016	1,206
Shrimp, ocean-----	3,876			3,665	289		
Mollusk:-----							
Abalone-----				4,923	789	1,202	82
Clam, gaper-----							
Clam, jackknife-----							
Clam, Washington-----	9,256						
Mussel-----							
Octopus-----	1,073			6,865	300	9,283	847
Oyster, eastern-----				160,757	30,576		
Oyster, Pacific-----				137,468	15,108		
Squid-----						3,545,653	166,291
Total pounds and value-----	35,041,011	2,163,900	\$290,549	32,368,405	\$3,052,810	60,109,555	\$2,422,552

TABLE 20—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Shipments: ¹								
Barracuda.....								
Bonito.....								
Carp.....			693	\$283	977	\$361		
Catfish.....								
Corvina, Mexican.....								
Eel.....								
Halibut, California.....								
Halibut, Pacific.....					4,000	280		
Rockfish.....								
Sablefish.....					178,420	17,514		
Salmon.....					17,463	5,465		
Sea bass, black.....								
Seabass, white.....								
Smelt.....								
Sole.....					47,540	18,084		
Swordfish.....					2,485,117	490,492	1,152,073	\$230,415
Tuna, albacore.....					1,322,382	165,200	117,718	15,284
Tuna, skipjack.....					756,563	117,775	1,160,498	184,846
Tuna, yellowfin.....								
Miscellaneous fish.....								
Mollusk:					40,825	8,165	36,000	7,200
Clam, Japanese ²								
Clam, Pismo.....								
Total pounds and value.....			693	\$283	4,853,287	\$823,336	2,466,289	\$437,745
Grand totals.....	35,041,011	\$3,806,175	2,164,593	\$290,832	37,221,692	\$3,876,146	62,575,844	\$2,860,297

¹ See Table 10 for origin of shipments.

² Cleaned weight, no conversion factor available.

TABLE 20—Continued

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....	7,033,577	\$121,725	3,157,427	\$71,041	25,166	\$1,072	55,782,870	\$1,153,156
Barracuda.....	49,766	7,182	1,746,381	275,754	298,059	47,093	2,094,206	330,029
Bonito.....			1,859,098	179,218	283,317	27,369	2,142,517	206,592
Cabezon.....	9,663	371					34,494	1,074
Cabrilla.....	4,322	778	540,520	81,132	29,491	4,297	574,333	86,207
Carp.....			136,519	4,218	12,535	387	809,735	43,320
Catfish.....							178,630	36,467
Flounder.....	10,686	697	449	65			597,189	28,915
Flyingfish.....			50,738	3,794			50,736	3,794
Grouper.....	5,094	1,019	788,113	157,228	36,598	6,324	\$29,807	164,571
Hake.....							6,145	123
Halibut, California.....	191,481	45,401	216,324	52,610	74,773	19,186	525,311	127,068
Halibut, Pacific.....							242,123	52,071
Hardhead.....							15,550	5,128
Herring, Pacific.....	18,555	286	286,000	6,750	5,764	147	9,495,386	225,662
Kingfish.....	63,437	1,663	2,816,015	93,491	10,924	1,080	3,273,524	127,815
Lingcod.....	42,800	3,976	3,357	284	2,208	184	1,365,601	107,226
Mackerel, jack.....	9,407,135	270,925	136,587,601	4,466,414	249,048	6,276	146,521,673	4,754,969
Mackerel, Pacific.....	39,262	1,527	19,099,564	725,784	1,213,037	47,308	20,604,671	785,464
Mullet.....			494	69	89,718	8,981	90,212	9,050
Perch.....	16,432	2,873	135,647	13,863			297,227	38,936
Pompano, California.....			15,671	3,584			32,124	11,489
Rock bass.....	5,837	687	73,535	11,492	7,277	988	86,745	13,124
Rockfish.....	238,428	19,790	514,635	55,685	54,370	5,617	10,720,185	609,962
Sablefish.....	830	58	6,198	657			1,343,867	90,778
Salmon.....	7,084	2,224	6,173	2,203	1,301	455	7,275,026	1,802,883
Sanddab.....	4,543	288	11,891	2,319			659,874	40,880
Sardine.....	2,609,842	112,746	11,641,716	407,461	54,122	1,559	14,330,420	523,120
Sculpin.....	1,728	161	65,560	14,935	16,322	2,720	17,816	83,610
Sea bass, black.....	1,652	301	226,430	35,277	85,412	12,838	313,494	48,416

TABLE 21

Landings of the Commercial Fishing Boats in the Eureka Region During 1952, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Eureka region totals-----		\$3,806,175	35,041,011
Eureka-----	Sole-----	\$756,502	11,224,070
	Albacore-----	360,764	2,345,669
	Crab-----	322,172	2,172,433
	Salmon-----	126,458	526,471
	Rockfish-----	59,234	1,216,298
	Sablefish-----	32,437	339,301
	Lingcod-----	16,624	193,303
	Pacific halibut-----	15,851	64,964
	Flounder-----	6,824	136,759
	All other-----	17,246	275,622
	Totals-----	\$1,714,112	18,494,890
Crescent City-----	Crab-----	\$692,126	4,667,065
	Salmon-----	210,705	877,206
	Sole-----	113,694	1,686,850
	Albacore-----	26,839	174,503
	Lingcod-----	19,893	231,311
	Rockfish-----	15,263	313,411
	All other-----	13,842	207,601
	Totals-----	\$1,092,362	8,157,947
Fort Bragg-----	Salmon-----	\$246,094	1,024,536
	Albacore-----	118,572	770,949
	Sole-----	94,299	1,399,100
	Rockfish-----	48,265	991,065
	Sablefish-----	26,720	279,494
	Lingcod-----	13,983	162,594
	Crab-----	5,623	37,915
	All other-----	7,768	109,519
	Totals-----	\$561,324	4,775,172
Fields Landing-----	Crab-----	\$124,541	839,794
	Sole-----	64,306	954,102
	Albacore-----	25,263	164,256
	Rockfish-----	5,549	113,933
	All other-----	8,076	99,491
	Totals-----	\$227,735	2,171,576
Trinidad-----	Crab-----	\$189,771	1,279,641
	Salmon-----	3,779	15,734
	All other-----	69	936
	Totals-----	\$193,619	1,296,311
Point Arena-----	Salmon-----	\$9,588	39,918
	All other-----	825	9,612
	Totals-----	\$10,413	49,530
All other ports-----	All other-----	\$6,610	95,585
	Totals-----	\$6,610	95,585

TABLE 22

Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1952,
Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Sacramento region totals-----		\$290,832	2,164,593
Pittsburg-----	Salmon-----	\$101,807	455,716
	Shad-----	31,784	426,631
	Catfish-----	20,971	102,782
	All other-----	2,178	35,952
	Totals-----	\$156,740	1,021,081
Martinez-----	Salmon-----	\$28,874	129,246
	Shad-----	8,013	107,552
	Carp-----	72	1,229
	Totals-----	\$36,959	238,027
Benicia-----	Salmon-----	\$22,840	102,240
	Shad-----	7,505	100,744
	All other-----	272	1,572
	Totals-----	\$30,617	204,556
Sacramento-----	Salmon-----	\$8,938	40,009
	Carp-----	7,811	133,299
	Hardhead-----	5,128	15,550
	Catfish-----	4,792	22,797
	All other-----	519	5,968
	Totals-----	\$27,188	217,623
Clear Lake-----	Carp-----	\$19,397	331,010
	Totals-----	\$19,397	331,010
Bethel Island-----	Catfish-----	\$7,277	35,674
	Totals-----	\$7,277	35,674
Antioch-----	Carp-----	\$4,717	80,493
	Totals-----	\$4,717	80,493
All other ports-----	Catfish-----	\$3,449	16,904
	Salmon-----	2,448	10,960
	All other-----	2,040	8,265
	Totals-----	\$7,937	36,129

TABLE 23

Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952,
Shown by Port of Landing With the Corresponding Values

		Value	Pounds
San Francisco region totals-----		\$3,876,146	37,221,692
San Francisco-----	Albacore-----	\$1,101,629	6,105,596
	Crab-----	355,211	2,564,702
	Skipjack-----	165,200	1,322,382
	Sole-----	140,355	2,091,722
	Anchovy-----	124,695	5,826,865
	Yellowfin tuna-----	117,775	756,563
	Salmon-----	108,940	435,719
	Rockfish-----	88,608	1,790,056
	Bay shrimp-----	44,900	596,282
	Pacific halibut-----	28,011	139,671
	Sablefish-----	19,761	276,524
	Swordfish-----	18,084	47,540
	Lingcod-----	14,319	212,445
	Sanddab-----	12,332	241,802
	Smelt-----	10,971	134,775
	All other-----	44,360	1,044,591
	Totals-----	\$2,395,151	23,587,235
Point Reyes-----	Salmon-----	\$396,136	1,601,198
	Crab-----	44,508	321,360
	Sole-----	46,452	692,294
	Rockfish-----	41,565	839,695
	Lingcod-----	14,788	219,404
	Pacific halibut-----	7,137	34,915
	All other-----	11,856	287,485
	Totals-----	\$562,442	3,996,351
Bodega Bay-----	Salmon-----	\$119,917	484,708
	Sole-----	77,263	1,151,466
	Crab-----	71,775	518,234
	Rockfish-----	46,891	947,293
	Albacore-----	30,505	180,715
	Lingcod-----	10,213	151,523
	Smelt-----	9,176	112,722
	All other-----	16,040	292,019
	Totals-----	\$381,780	3,838,680
Sausalito-----	Albacore-----	\$232,886	1,379,659
	Crab-----	44,863	323,923
	Salmon-----	12,919	52,219
	Totals-----	\$290,668	1,755,801
Princeton (Halfmoon Bay)-----	Salmon-----	\$77,699	314,062
	Crab-----	5,827	42,071
	All other-----	7,791	78,058
	Totals-----	\$91,317	434,191
Tomales Bay (Marshall)-----	Pacific herring-----	\$42,191	2,722,036
	Eastern oyster-----	24,461	123,607
	Pacific oyster-----	9,679	88,069
	Perch-----	5,319	30,725
	All other-----	1,943	15,210
	Totals-----	\$83,593	2,984,647

TABLE 23—Continued

Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952,
Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Richmond-----	Bay shrimp-----	\$20,422	272,245
	All other-----	77	783
	Totals-----	\$20,499	273,028
Berkeley-----	Salmon-----	\$13,152	53,160
	Crab-----	5,175	37,368
	All other-----	1,185	13,873
	Totals-----	\$19,512	104,401
Drakes Bay-----	Eastern oyster-----	\$6,115	32,150
	Pacific oyster-----	5,429	49,399
	Totals-----	\$11,544	81,549
Oakland-----	Crab-----	\$10,076	72,749
	All other-----	749	4,944
	Totals-----	\$10,825	77,693
All other ports-----	All other-----	\$8,815	88,116
	Totals-----	\$8,815	88,116

TABLE 24

Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1952, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Monterey region totals-----		\$2,860,297	62,575,844
Monterey-----	Anchovy-----	\$784,776	37,370,280
	Albacore-----	372,514	2,020,120
	Yellowfin tuna-----	207,098	1,291,394
	Squid-----	162,747	3,470,084
	Rockfish-----	155,464	2,573,901
	Salmon-----	134,354	477,110
	Pacific herring-----	15,805	558,467
	Skipjack-----	15,284	117,718
	Kingfish-----	14,156	171,169
	Sole-----	13,288	183,795
	Jack mackerel-----	10,617	260,210
	Sablefish-----	10,360	208,029
	Pacific mackerel-----	9,959	232,136
	Clam, Japanese-----	7,200	36,000
	Lingcod-----	5,510	60,089
	All other-----	18,339	201,534
	Totals-----	\$1,937,471	49,232,036
Moss Landing-----	Albacore-----	\$303,362	1,853,159
	Pacific herring-----	143,635	5,075,450
	Salmon-----	85,444	303,425
	Anchovy-----	49,400	2,352,405
	Kingfish-----	12,257	148,214
	Sole-----	4,278	59,166
	All other-----	4,722	56,668
	Totals-----	\$603,098	9,848,487
Santa Cruz-----	Salmon-----	\$88,259	313,420
	Rockfish-----	67,350	1,115,059
	Sole-----	59,781	826,851
	Albacore-----	43,787	267,486
	Sablefish-----	11,192	224,749
	Sanddab-----	9,567	135,319
	Pacific herring-----	7,564	267,295
	California pompano-----	6,589	13,658
	All other-----	25,639	331,484
	Totals-----	\$319,728	3,495,321

TABLE 25

Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Santa Barbara region totals		\$1,435,196	25,100,440
Santa Barbara	Jack mackerel	\$128,453	4,460,170
	Spiny lobster	106,828	298,153
	Sardine	85,611	1,981,732
	Sole	42,375	454,667
	White seabass	36,552	136,592
	California halibut	33,515	141,353
	Anchovy	19,258	1,110,835
	Swordfish	15,210	42,941
	Abalone	11,056	87,815
	Shark	9,011	110,435
	Rockfish	7,912	95,327
	Crab	5,113	28,251
	Albacore	5,086	31,109
	All other	8,375	97,020
	Totals	\$514,355	9,076,400
Morro Bay	Albacore	\$321,225	1,964,676
	Abalone	23,518	186,800
	Ocean shrimp	23,278	197,944
	Crab	8,668	47,890
	Rockfish	5,953	71,719
	All other	5,617	88,923
	Totals	\$388,259	2,557,952
Port Hueneme	Jack mackerel	\$142,472	4,946,965
	Anchovy	92,762	5,361,980
	Sardine	23,411	541,910
	White seabass	10,955	40,938
	Barracuda	6,502	45,057
	California halibut	5,234	22,074
	All other	12,948	163,828
	Totals	\$294,284	11,122,752
Avila	Albacore	\$68,237	417,350
	Sole	13,994	150,151
	Abalone	12,517	99,421
	Anchovy	9,705	560,762
	California halibut	5,741	24,212
	All other	18,601	223,127
	Totals	\$128,795	1,475,023
Channel Islands ¹	Abalone	\$72,948	579,415
	Totals	\$72,948	579,415
San Simeon	Abalone	\$26,508	210,550
	Totals	\$26,508	210,550
Cayucos	Abalone	\$5,724	45,464
	All other	10	112
	Totals	\$5,734	45,576
All other ports	All other	\$4,313	32,772
	Totals	\$4,313	32,772

¹ San Miguel, Santa Rosa, Santa Cruz and Anacapa Islands.

TABLE 26

**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952,
Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
Los Angeles region totals		\$42,533,092	419,576,337
Terminal Island	Yellowfin tuna	\$19,270,510	122,009,562
	Skipjack	6,780,114	52,805,685
	Albacore	4,731,089	27,291,909
	Jack mackerel	3,293,324	100,713,272
	Yellowtail	615,224	6,658,273
	Bluefin tuna	553,563	3,472,793
	Pacific mackerel	511,378	13,457,326
	Sardine	219,856	6,281,598
	Bonito	168,731	1,750,319
	All other	2,658	31,938
	Totals	\$36,146,447	334,472,675
Long Beach	Yellowfin tuna	\$906,517	5,741,086
	Jack mackerel	574,950	17,582,560
	Albacore	279,789	1,551,798
	Skipjack	273,405	2,130,979
	Yellowtail	105,701	1,143,952
	Pacific mackerel	92,962	2,446,359
	Pismo clam	52,462	3,160,334
	Spiny lobster	44,810	98,245
	Bluefin tuna	34,180	214,427
	Sardine	22,189	633,960
	Kingfish	19,058	574,048
	Anchovy	9,031	401,383
	Bonito	8,853	91,833
	Grouper	5,946	29,806
	All other	20,621	158,493
	Totals	\$2,450,474	35,959,263
Wilmington	Jack mackerel	\$533,447	16,313,360
	Yellowfin tuna	430,206	2,724,548
	Skipjack	137,765	1,073,771
	Pacific mackerel	82,599	2,173,652
	Albacore	69,705	386,604
	Kingfish	61,495	1,852,261
	Sardine	56,203	1,605,798
	Bluefin tuna	36,107	226,519
	Perch	8,565	83,811
	Pacific herring	6,750	286,000
	All other	9,361	161,521
	Totals	\$1,432,203	26,887,845
San Pedro	Barracuda	\$255,910	1,620,709
	White seabass	161,292	582,073
	Grouper	149,290	748,323
	Sardine	102,443	2,926,955
	Cabrilla	77,510	516,390
	Abalone	76,477	984,255
	Bluefin tuna	48,612	304,966
	Albacore	47,325	262,480
	Spiny lobster	46,556	102,075
	California halibut	44,783	184,139

TABLE 26—Continued

Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952,
Shown by Port of Landing With the Corresponding Values

		Value	Pounds
San Pedro—Continued	Jack mackerel	\$42,534	1,300,747
	Black sea bass	33,827	217,120
	Rockfish	31,839	294,265
	Swordfish	30,651	80,596
	Pacific mackerel	22,929	603,398
	Yellowfin tuna	18,430	116,720
	Yellowtail	16,374	177,211
	Sculpin	14,717	64,605
	Kingfish	12,201	367,505
	Rock bass	10,277	66,047
	Shark	8,292	73,380
	Smelt	5,953	105,361
	All other	20,521	318,451
	Totals	\$1,278,743	12,017,771
Newport Beach	Albacore	\$248,047	1,375,744
	Abalone	177,490	2,284,304
	Swordfish	44,088	115,930
	Anchovy	22,428	996,811
	Spiny lobster	16,413	35,985
	Jack mackerel	15,630	477,979
	Pacific mackerel	14,785	389,073
	Barracuda	10,285	65,137
	White seabass	8,511	30,713
	California halibut	6,294	25,878
	Shark	5,980	52,924
	All other	9,164	91,078
	Totals	\$579,115	5,941,556
Los Angeles	Salmon	\$300,729	834,662
	Pacific halibut	77,493	255,538
	Sablefish	59,880	369,927
	All other	49,249	370,225
	Totals	\$487,351	1,830,352
Santa Monica	Spiny lobster	\$35,772	78,430
	Anchovy	34,276	1,523,393
	Rockfish	9,681	89,474
	Jack mackerel	6,340	193,893
	Sardine	6,181	176,605
	Albacore	4,422	24,526
	All other	12,099	115,061
	Totals	\$108,771	2,201,382
Dana Point	Spiny lobster	\$12,839	28,150
	All other	2,370	10,917
	Totals	\$15,209	39,067
Santa Catalina Island	Spiny lobster	\$3,609	7,912
	Swordfish	1,368	3,598
	All other	4,487	42,718
	Totals	\$9,464	54,228
All other ports	Spiny lobster	\$12,902	28,291
	Abalone	4,599	59,194
	All other	7,814	84,713
	Totals	\$25,315	172,198

TABLE 27

Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1952,
Shown by Port of Landing With the Corresponding Values

		Value	Pounds
San Diego region totals-----		\$17,181,036	113,297,073
San Diego-----	Yellowfin tuna-----	\$6,810,988	42,944,440
	Skipjack-----	3,352,140	26,005,988
	Albacore-----	2,833,722	16,404,455
	Yellowtail-----	120,285	1,289,229
	White seabass-----	109,823	270,800
	Bluefin tuna-----	55,471	326,684
	Pacific mackerel-----	47,307	1,212,999
	Barracuda-----	46,194	292,364
	Spiny lobster-----	42,020	92,678
	Bonito-----	20,813	215,795
	California halibut-----	17,864	69,687
	Abalone-----	15,521	203,418
	Shark-----	15,388	145,862
	Black sea bass-----	13,479	89,864
	Grouper-----	6,324	36,598
	Jack mackerel-----	6,276	249,048
	Rockfish-----	5,730	56,101
	Jackknife clam-----	5,374	15,522
	All other-----	21,960	212,784
	Totals-----	\$13,546,679	90,134,316
Point Loma-----	Yellowfin tuna-----	\$1,575,335	9,932,756
	Albacore-----	1,281,741	7,307,531
	Skipjack-----	700,581	5,435,077
	Yellowtail-----	14,963	160,370
	Bonito-----	6,738	69,749
	Bluefin tuna-----	4,926	29,008
	Totals-----	\$3,584,284	22,934,491
Oceanside-----	White seabass-----	\$12,052	29,656
	All other-----	7,700	33,870
	Totals-----	\$19,752	63,526
Mission Beach-----	Jackknife clam-----	\$9,225	26,644
	Totals-----	\$9,225	26,644
Salton Sea-----	Mullet-----	\$8,981	89,718
	Totals-----	\$8,981	89,718
Encinitas-----	Spiny lobster-----	\$5,540	12,219
	All other-----	3,085	12,583
	Totals-----	\$8,625	24,802
All other ports-----	All other-----	\$3,490	23,576
	Totals-----	\$3,490	23,576

TABLE 28
The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From
Licensed Party Boats and the Number of Angler Days

Species	1936	1937	1938	1939	1940	1946	1947	1948	1949	1950	1951	1952
Albacore.....	410	1,368	3,880	8,730	159	11,061	8,044	15,313	23,461	114,502	75,924	187,267
Barracuda.....	595,062	742,849	374,109	732,878	761,609	388,533	689,640	413,036	363,990	251,040	269,545	336,862
Halibut, California.....	71,366	49,904	35,587	85,708	94,945	134,123	133,187	178,639	106,516	86,998	59,295	34,158
Rock bass ¹	353,278	253,423	464,642	458,778	451,679	390,761	693,035	661,085	797,328	616,898	781,609	535,832
Salmon.....	238	1,370	2,610	4,038	7,075	2,950	5,063	11,188	20,404	52,995	71,970	86,472
Seabass, white.....	12,815	12,756	16,406	32,241	17,591	12,935	21,632	25,051	62,570	58,586	44,367	41,043
Yellowtail.....	97,453	62,847	44,974	26,730	96,756	3,051	7,082	12,787	18,023	7,673	23,721	59,263
All other.....	826,857	1,009,665	1,011,396	1,271,220	1,061,169	299,944	861,746	1,279,394	959,101	1,046,901	1,024,213	1,024,978
Total number of fish.....	1,957,479	2,134,182	1,953,604	2,620,323	2,490,983	1,243,358	2,419,429	2,596,493	2,351,393	2,235,593	2,350,644	2,305,875
Number of angler days.....	204,189	328,216	217,211	241,386	273,861	209,043	447,816	533,309	490,943	602,431	556,949	587,898

¹ Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nebulifer*).

TABLE 29

The Recorded Catch of Live Bait in Southern California Made by the Vessels Supplying the Party Boat Fleet

Species	Pounds				
	1948	1949	1950	1951	1952
Anchovy-----	7,450,993	5,604,735	7,647,640	10,283,730	13,620,879
Kingfish-----	55,047	101,934	48,545	79,458	189,171
Queenfish-----	498,298	395,769	232,618	204,097	233,545
Sardine-----	1,085,852	2,908,253	3,093,587	2,607,234	227,571
Sardine, "firecrackers"-----		1,070	4,251	3,797	25,649
Smelt-----	54,788	58,156	30,824	50,181	28,299
Jack mackerel-----		433			33,126
Total pounds-----	9,144,978	9,070,350	11,057,465	13,228,497	14,358,240
Number of boats reporting---	25	23	25	22	24

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